

DEPARTMENT OF THE ARMY PERMIT

Permittee: Florida Department of Transportation-District 5
Attn: Patrick Muench
719 South Woodland Blvd.
DeLand, Florida 34720

Permit No: SAJ-2008-2645 (IP-AWP)

Issuing Office: U.S. Army Engineer District, Jacksonville

NOTE: The term "you" and its derivatives, as used in this permit, means the permittee or any future transferee. The term "this office" refers to the appropriate district or division office of the Corps of Engineers having jurisdiction over the permitted activity or the appropriate official of that office acting under the authority of the commanding officer.

You are authorized to perform work in accordance with the terms and conditions specified below.

Project Description: Direct impacts to 3.6 acres of waters of the United States (wetlands) and 2.24 acres of jurisdictional surface waters for the widening of Interstate 95 (I-95) from four lanes to six lanes and construction of stormwater management facilities. All roadway widening will occur inside the existing travel lanes. The work described above is to be completed in accordance with the 4 attachments affixed at the end of this permit instrument.

Project Location: The project is located along Interstate 95 (I-95) between State Road (SR) 50 and SR 46, in Sections 13 and 24, Township 21 South, Range 34 East, and Sections 6, 7, 18, 19, 30, and 31, Township 21 South, Range 35 East, Brevard County, Florida. The project as proposed will impact unnamed wetlands hydrologically connected to the St. Johns River.

LATITUDE & LONGITUDE: Latitude 28.2927 North
Longitude 80.7319 West

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Directions to site: From the intersection of SR 50 and I-95 proceed north on I-95.

Permit Conditions

General Conditions:

1. The time limit for completing the work authorized ends on **December 22, 2018**. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the above date is reached.

2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.

3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and State coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

4. If you sell the property associated with this permit, you must obtain the signature and the mailing address of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.

5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special

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conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.

6. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

Special Conditions:

1. All reports, documentation and correspondence required by the conditions of this permit shall be submitted to the following address: U.S. Army Corps of Engineers, Regulatory Division, Enforcement Section, P.O. Box 4970, Jacksonville, FL 32232. The Permittee shall reference this permit number, SAJ-2008-2645(IP-AWP), on all submittals.

2. Within 10 days from the date of initiating the authorized work, the Permittee shall provide to the Corps a written notification of the date of commencement of work authorized by this permit.

3. Prior to the initiation of any work authorized by this permit, the Permittee shall install erosion control measures along the perimeter of all work areas to prevent the displacement of fill material. Immediately after completion of the final grading of the land surface, all slopes, land surfaces, and filled areas adjacent to wetlands shall be stabilized using sod, degradable mats, or a combination of similar stabilizing materials to prevent erosion. The erosion control measures shall remain in place and be maintained until all authorized work has been completed and the site has been stabilized.

4. Within 60 days of completion of the authorized work or at the expiration of the construction window of this permit, whichever occurs first, the Permittee shall submit as-built drawings of the authorized work and a completed As-Built Certification Form (Attachment 3) to the Corps. The drawings shall be signed and sealed by a registered professional engineer and include the following:

a. A plan view drawing of the location of the authorized work footprint (as shown on the permit drawings) with an overlay of the work as constructed in the same scale as the attached permit drawings (8½-inch by 11-inch). The drawing should show all "earth disturbance," including wetland impacts, water management structures, and any on-site mitigation areas.

b. List any deviations between the work authorized by this permit and the work as constructed. In the event that the completed work deviates, in any manner, from the authorized work, describe on the As-Built Certification Form the deviations between the work authorized by this permit and the work as constructed. Clearly indicate on the as-built drawings any deviations that have been listed. Please note that the depiction and/or description of any deviations on the drawings and/or As-Built Certification Form does not constitute approval of any deviations by the U.S. Army Corps of Engineers.

c. The Department of the Army Permit number.

d. Include pre- and post-construction aerial photographs of the project site, if available.

5. The Permittee shall use only clean fill material for this project. The fill material shall be free from items such as trash, debris, automotive parts, asphalt, construction materials, concrete block with exposed reinforcement bars, and soils contaminated with any toxic substance, in toxic amounts in accordance with Section 307 of the Clean Water Act.

6. In accordance with the Memorandum of Understanding between the St. Johns River Water Management District (SJRWMD) and the United States Army Corps of Engineers, Jacksonville District signed October 16, 2007 and October 9, 2007 respectively, the SJRWMD shall submit an annual status report and five year update of the mitigation described above. The report shall ensure 1.5 functional units have been replaced by the proposed mitigation. Mitigation has been identified in the 2008 SJRWMD Senate Bill Mitigation Plan #406869 defined in Mitigation Project Group SJ 53.

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7. The Permittee agrees to purchase a minimum of 1.5 federal credits from a federally approved mitigation bank whose service area covers St. Johns River Water Management District (SJRWMD) Basin 18. This compensatory mitigation will off-set impacts which occur within SJRWMD Basin 18, as defined within the 2008 FDOT Mitigation Plan.

8. The Permittee agrees to follow the STANDARD PROTECTION MEASURES FOR THE EASTERN INDIGO SNAKE (Attachment 4) during construction.

Further Information:

1. Congressional Authorities: You have been authorized to undertake the activity described above pursuant to:

() Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403).

(X) Section 404 of the Clean Water Act (33 U.S.C. 1344).

() Section 103 of the Marine Protection, Research and Sanctuaries Act of 1972 (33 U.S.C. 1413).

2. Limits of this authorization.

a. This permit does not obviate the need to obtain other Federal, State, or local authorizations required by law.

b. This permit does not grant any property rights or exclusive privileges.

c. This permit does not authorize any injury to the property or rights of others.

d. This permit does not authorize interference with any existing or proposed Federal projects.

3. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume any liability for the following:

- a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.
- b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.
- c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.
- d. Design or construction deficiencies associated with the permitted work.
- e. Damage claims associated with any future modification, suspension, or revocation of this permit.

4. Reliance on Applicant's Data: The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.

5. Reevaluation of Permit Decision: This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:

- a. You fail to comply with the terms and conditions of this permit.
- b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (see 4 above).
- c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures

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provide for the issuance of an administrative order requiring you comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

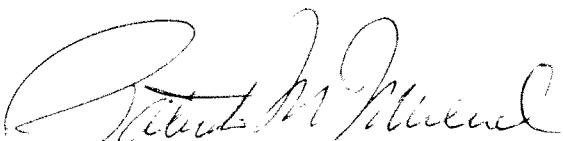
6. Extensions: General Condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give favorable consideration to a request for an extension of this time limit.

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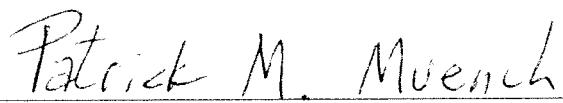
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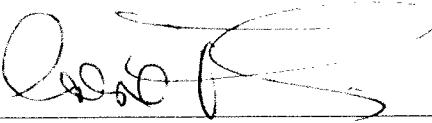
Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.


Patrick M. Muench
(PERMITTEE)

12/22/08
(DATE)


Patrick M. Muench
(PERMITTEE NAME-PRINTED)

This permit becomes effective when the Federal official, designated to act for the Secretary of the Army, has signed below.


Paul L. Grosskruger
(DISTRICT ENGINEER)
Paul L. Grosskruger
Colonel, U.S. Army
District Commander

12/24/08
(DATE)

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When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

(TRANSFeree-Signature)

(DATE)

(NAME-PRINTED)

(ADDRESS)

(CITY, STATE, AND ZIP CODE)

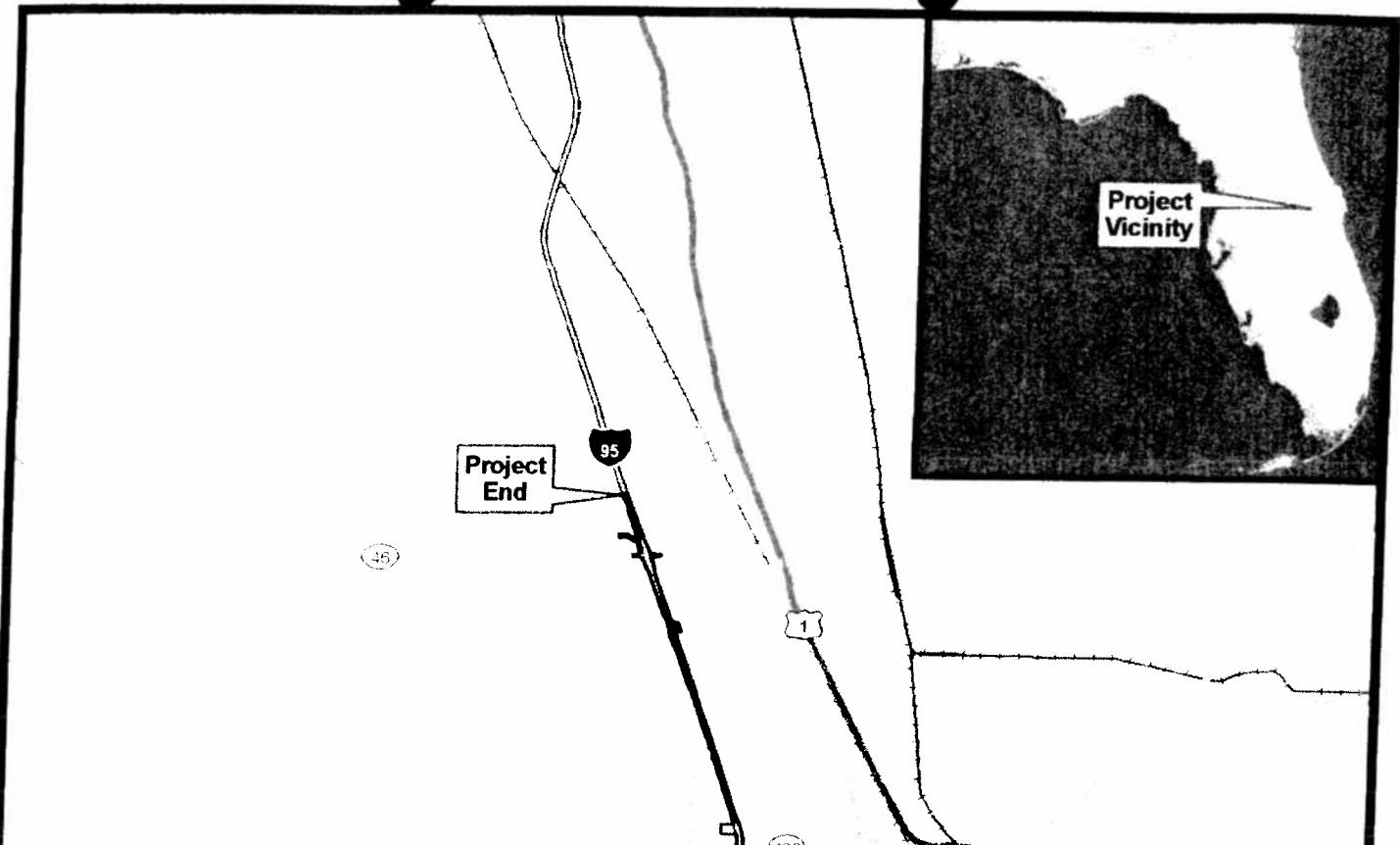
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***Attachments to Department of the Army
Permit Number SAJ-2008-2645 (IP-AWP)***

1. PERMIT DRAWINGS: 10 pages
2. WATER QUALITY CERTIFICATION: Specific Conditions of the water quality permit/certification in accordance with General Condition number 5 on page 3 of this DA permit. 5 pages.
3. AS-BUILT CERTIFICATION BY PROFESSIONAL ENGINEER: 1 page
4. STANDARD PROTECTION MEASURES FOR THE EASTERN INDIGO SNAKE: 1 page



U.S. Army Corps of Engineers

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Attachment: 1

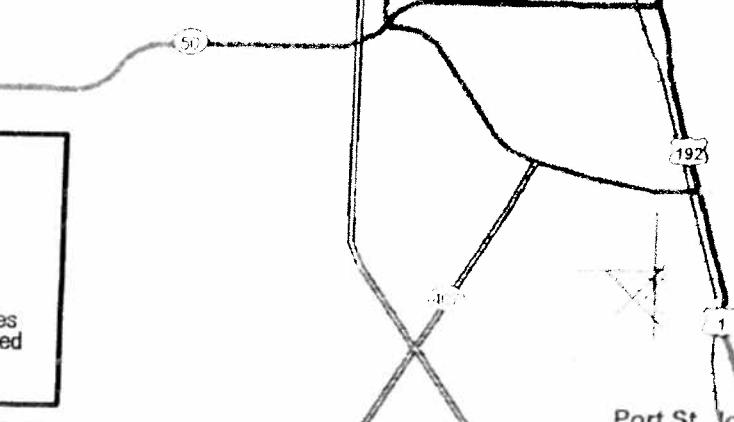


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Legend

Project Boundary

Notes:

Topographic map from USGS 7.5 Series
Mims and Titusville, FL quads provided
in GIS format by the SJRWMD.



Lotspeich and Associates, Inc.

ECOLOGICAL CONSULTANTS

2711 West Fairbanks Avenue Winter Park, Florida 32789
800 740 8482 Fax: 645 1305 www.lotspeichandassociates.com

S.R. 9 (I-95) Widening
(from north of S.R. 50 to north of S.R. 46)

7.467 +/- linear miles in
Brevard County, Florida

Vicinity Map

↑ North

Scale: 1" = 2 miles
Figure 1

File: 05314.MXD	Drawn By: BEH	Job No.: 2005-314.33	Date: 28 Apr 2008
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Lotspeich and Associates, Inc.
ECOLOGICAL CONSULTANTS

2711 West Farbanks Avenue, Winter Park, Florida 32789
407 740 8482 Fax: 407 1305 www.lotspeichandassociates.com

File: 05314.MXD

Drawn By: BE

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S.R. 9 (I-95) Widening
(from north of S.R. 50 to north of S.R. 46)

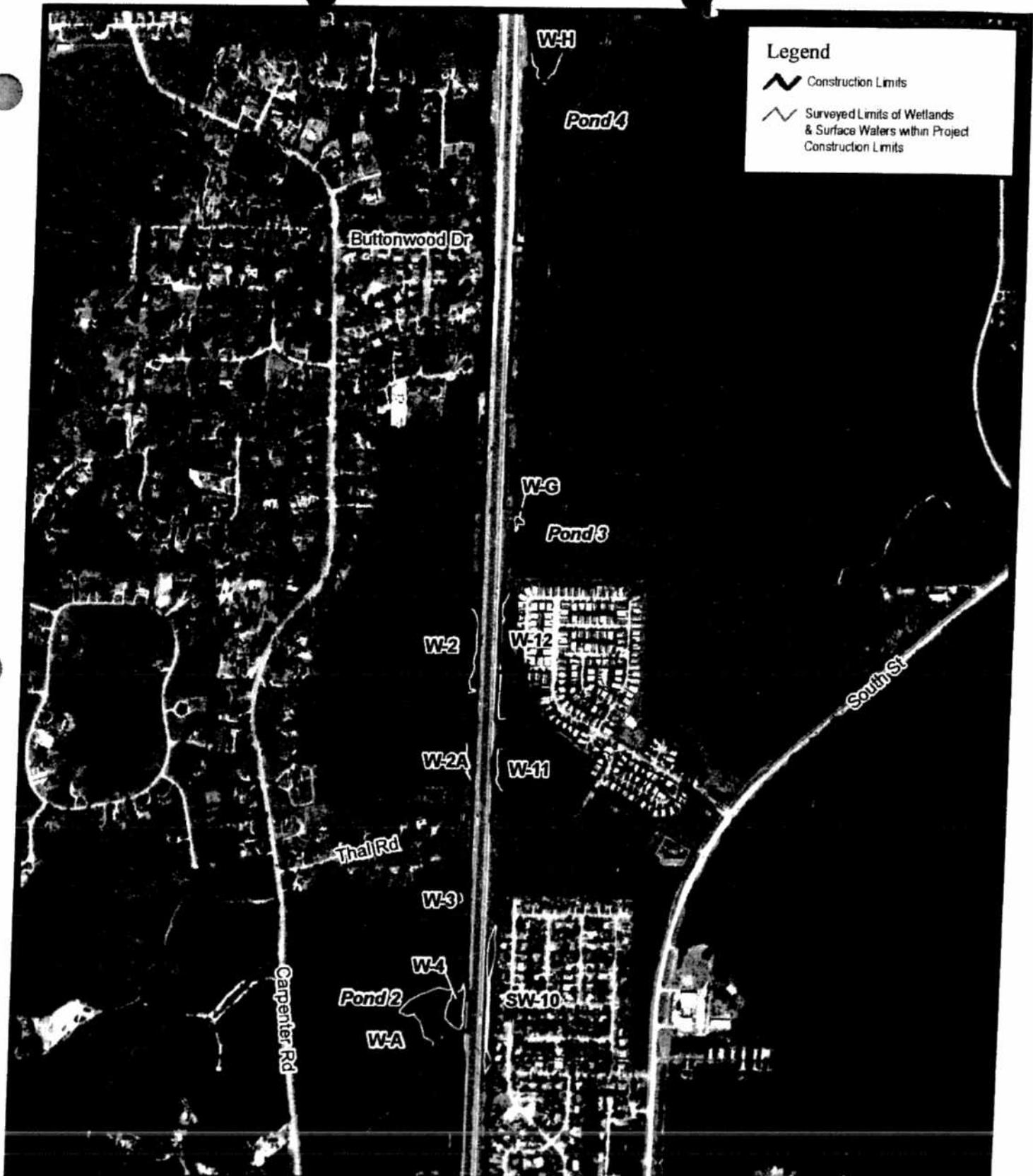
7.467 +/- linear miles in
Brevard County, Florida

Aerial Photo

↑ North

Scale: 1" = 1,000'

Figure 4a



Lotspeich and Associates, Inc.
ECOLOGICAL CONSULTANTS

2711 West Fairbanks Avenue, Winter Park, Florida 32789
407/740-8482 Fax 407-645-1305 www.lotspeichandassociates.com

File: 05314.MXD

Drawn By: BEH

S.R. 9 (I-95) Widening
(from north of S.R. 50 to north of S.R. 46)

7.487+/- linear miles in
Brevard County, Florida

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Aerial Photo

↑ North

Scale: 1" = 1,000'

Figure 4b



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ECOLOGICAL CONSULTANTS
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407/740-8482 Fax: 645-1305 www.lotspeichandassociates.com

File: 05314.MXD

Drawn By: BEF

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S.R. 9 (I-95) Widening
(from north of S.R. 50 to north of S.R. 46)

7.46744 linear miles in
Brevard County, Florida

Aerial Photo

↑ North

Scale: 1" = 1,000'

Figure 4c



Legend

Construction Limits

Surveyed Limits of Wetlands & Surface Waters within Project Construction Limits



File: 05314.MXD Drawn By: BEH

S.R. 9 (I-95) Widening
(from north of S.R. 50 to north of S.R. 46)

7.467+/- linear miles in
Brevard County, Florida

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Aerial Photo

↑ North

Scale: 1" = 1,000'

Figure 4d



Legend

- Construction Limits
- Surveyed Limits of Wetlands & Surface Waters within Project Construction Limits



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File: 05314.MXD

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S.R. 9 (I-95) Widening
(from north of S.R. 50 to north of S.R. 46)

7.467+/- linear miles in
Brevard County, Florida

Aerial Photo

↑ North

Scale: 1" = 1,000'

Figure 4e

Table 1. Proposed Impacts to Wetlands Within the Project Corridor
STATE ROAD 9 (I-95) WIDENING DESIGN/BUILD from North of State Road 50 to State Road 46

Wetland ID	Habitat Type	FLUCRCS Code ¹	USFWS Classification ²	Total Size (Acres) ³	Acres Within Project Area ⁴	Wetland not Impacted (ac)	Proposed Direct Impacts (ac)	Proposed Secondary Impacts (ac)	Station No. at Impact Beginning	Side of Corridor
Wetlands Along the Mainline Right-of Way										
W-1 Mixed Wetland Hardwoods										
W-2/2A	Mixed Wetland Hardwoods	617	PFO3/4C	0.159	0.159	0.000	0.159*	0.0	3341+55.30	LT
W-3	Willow and Elderberry	618	PSS	1.9	0.0	48.8	0.000	0.0	n/a	n/a
W-4	Willow and Elderberry	618	PSS1/3C	34.6	0.0	34.579	0.0	0.000	0.0	n/a
W-5	Willow and Elderberry	618	PEM	4.6	0.0	4.6	0.00	0.0	3080+75.12	LT
W-6	Willow and Elderberry	618	-	1.675	0.0	1.675	0.00	0.0	n/a	n/a
W-8	Brazilian Pepper Dominated Wetland	619	PEM	23.7	0.0	23.7	0.00	0.0	n/a	n/a
W-9	Brazilian Pepper Dominated Wetland	619	-	0.51	0.0	0.51	0.00	0.0	n/a	n/a
W-10	Brazilian Pepper Dominated Wetland	619	PEM	0.18	0.0	0.18	0.00	0.0	n/a	n/a
W-11	Willow and Elderberry	618	PEM	4.7	0.0	4.7	0.00	0.0	n/a	n/a

Table I-Continued

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Wetland ID	Habitat Type	FHUC/PCFS Code ¹	USFWS Classification ²	Total Size (Acres) ³	Acres Within Project Area ⁴	Wetland not Impacted (ac)	Proposed Direct Impacts (ac)	Proposed Secondary Impacts (ac)	Station No. at Impact Beginning	Side of Corridor
W-12	Willow and Elderberry	618	-	2.5	0.074	2.4	0.074	0.0	3108+68.45	RT
W-14	Willow and Elderberry	618	-	3.0	0.00	3.0	0.00	0.0	n/a	n/a
W-15	Mixed Wetland Hardwoods	617	PFO1C	0.804	0.804	0.00	0.804	0.0	3366+0.89	RT
W-16	Mixed Wetland Hardwoods	617	PFO1C	56.5	0.356	56.2	0.356	0.0	3390+54.22	RT
W-16	Mixed Wetland Hardwoods	617	-		0.085		0.085	0.0	3394+45.00	RT
W-17 (18/P7)	Mixed Wetland Hardwoods	617	PFO1C		0.200		0.200	0.0	3390+29.94	LT
W-18	Mixed Wetland Hardwoods	617	PFO1C	17.7	0.377	17.5	0.377	0.0	3380+34.34	LT
W-19	Willow and Elderberry	618	-	2.01	0.933	1.01	0.933	0.0	3368+49.01	LT

Table **R** Continued

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Wetland ID	Habitat Type	FLUCFCS Code ²	USFWS Classification ¹	Total Size (Acres) ³	Acres Within Project Area ⁴	Wetland not Impacted (ac)	Proposed Direct Impacts (ac)	Proposed Secondary Impacts (ac)	Station No. at Impact Beginning	Side of Corridor
Wetlands Within or Adjacent to Ponds										
W-A	Mixed Wetland Hardwoods	617	PSS1/3C	34.629	0.022	34.61	0.022	0.021	3083+75.38	LT
W-B	Brazilian Pepper Dominated Wetland	619	-	0.204	0.204	0.0	0.204*	0.0	3051.48.55	RT
W-B	Brazilian Pepper Dominated Wetland	619	-	7.15	0.015	7.13	0.019	0.0	3051.48.55	RT
W-C	Brazilian Pepper Dominated Wetland	619	-	0.079	0.047	0.079	0.079*	0.0	3054+84.48	RT
W-D	Mixed Wetland Hardwoods	617	-	0.204	0.204	0.0	0.204*	0.0	3318+25.54	RT
W-G	Wetland Shrubs	632	-	0.100	0.100	0.0	0.100*	0.0	3119+74.93	RT
W-H/13	Freshwater Marsh	641	PEM	3.57	0.0	3.57	0.0	0.007	3154+47.09	RT
Summary of Wetlands				248.25	3.616	245.10	3.616	-	-	-
Impact Requiring Mitigation				-	-	-	2.870	0.028	-	-

1. Florida Land Use, Cover, and Forms Classification System (FLUCFCS) (FDOT, 1999).

2. Classification of Wetlands and Deepwater Habitats of the United States (Cowardin, et al, 1979).

3. Based on aerial photo interpretation ground truthing, and survey when available.

4. Subject to field delineation, final survey, and agency verification.

- Will not require mitigation based upon the size of the total wetland; impacts requiring mitigation are shown in bold font.

Table 2.

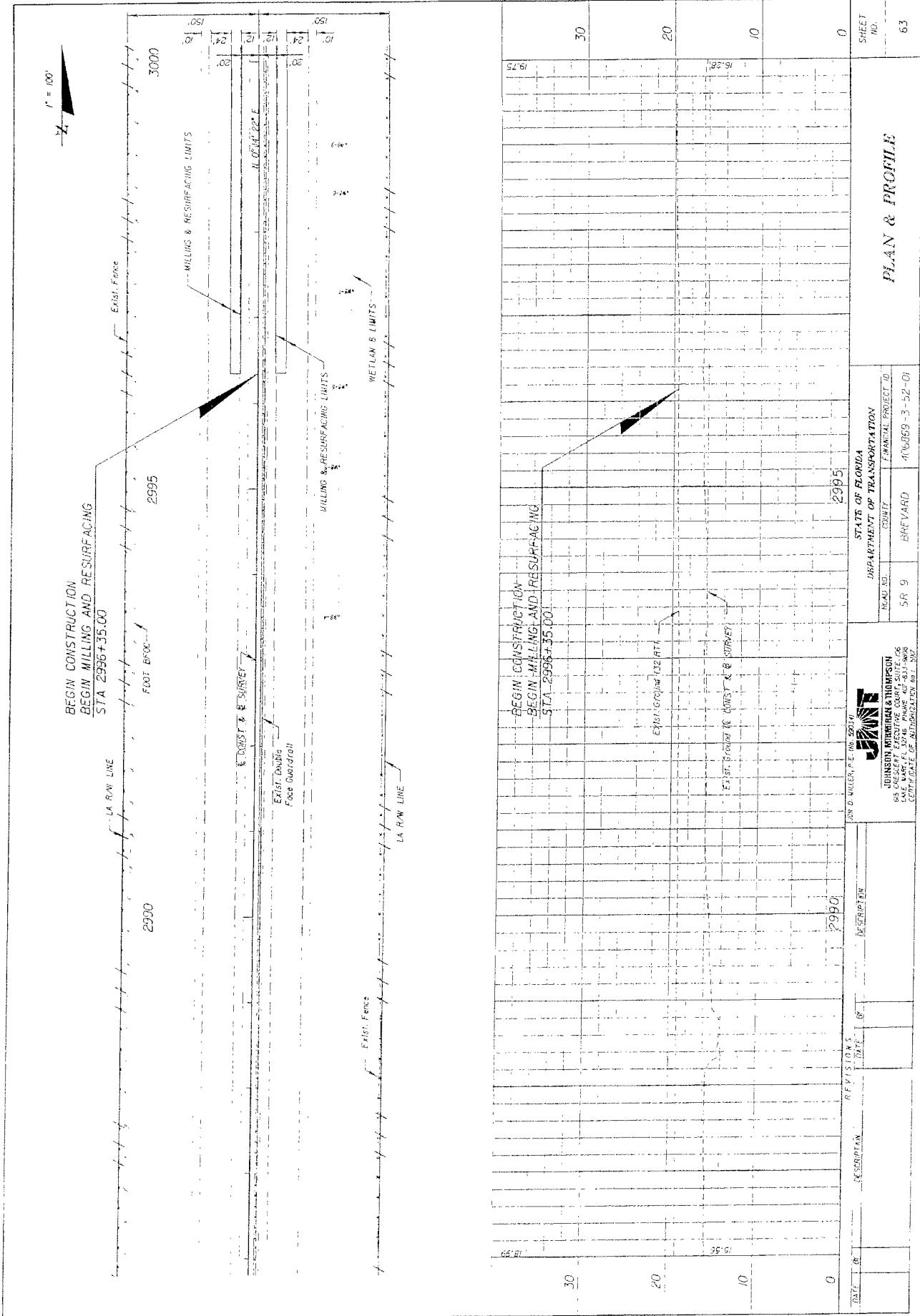
Potential Impacts to Surface Waters Within the Project Limits of Construction
STATE ROAD 9 (I-95) WIDENING DESIGN/BUILD from North of State Road 50 to State Road 46

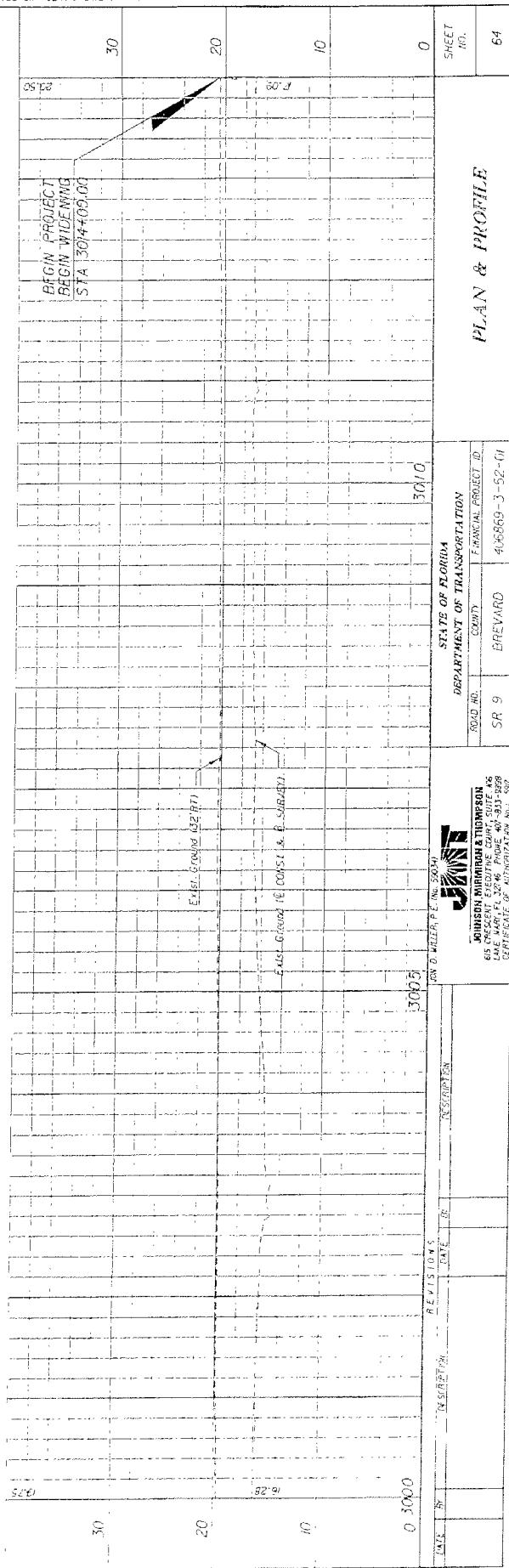
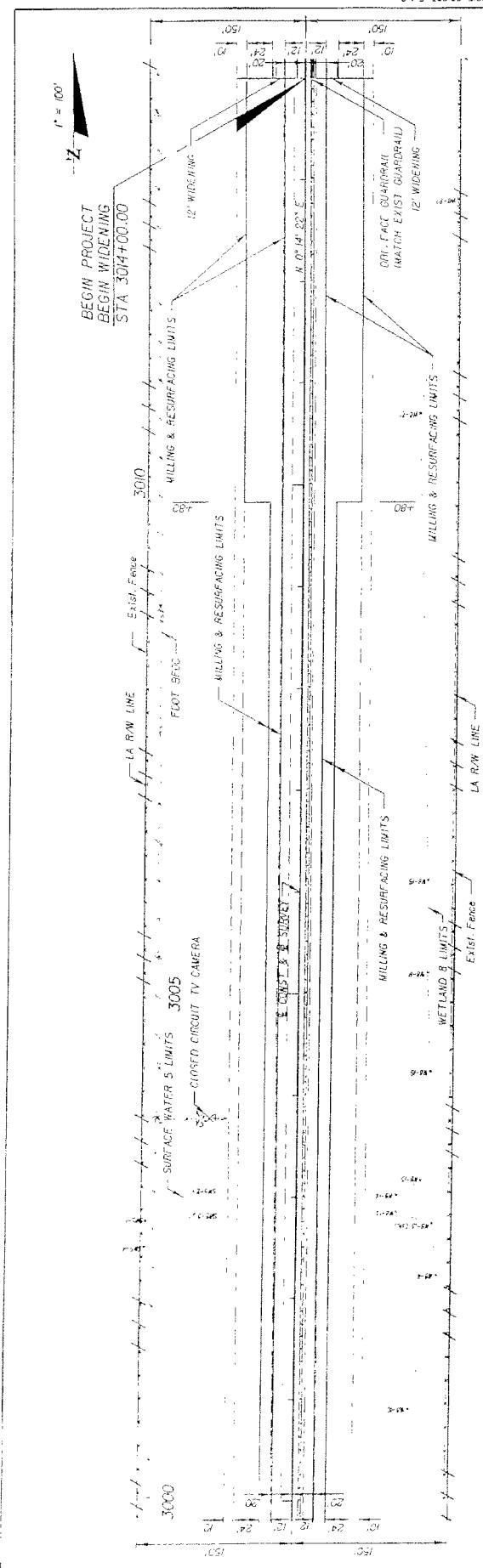
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Surface Water ID	Habitat Type	FLUCFCS Code ¹	USEWS Classification ²	Total Size (Acres) ³	Acres Within Project Area ⁴	SW not Impacted (Acres)	Proposed Impacts (Acres)	Station No. at Impact Beginning	Side of Corridor
SW-1	Ditch	511	n/a	n/a	0.408	n/a	0.408	3282+82.50	LT
SW-2	Ditch	511	n/a	n/a	0.00	n/a	0.000	n/a	n/a
SW-3	Ditch	511	n/a	n/a	0.00	n/a	0.000	n/a	n/a
SW-4	Ditch	511	n/a	n/a	0.00	n/a	0.000	n/a	n/a
SW-5	Ditch	511	n/a	n/a	0.00	n/a	0.000	n/a	n/a
SW-6	Ditch	511	n/a	n/a	0.00	n/a	0.000	n/a	n/a
SW-7	Ditch	511	n/a	n/a	0.00	n/a	0.000	n/a	n/a
SW-8	Ditch	511	n/a	n/a	0.00	n/a	0.000	n/a	n/a
SW-8	Ditch	511	n/a	n/a	0.005	n/a	0.005	3051+74.53	RT
SW-8	Ditch	511	n/a	n/a	0.029	n/a	0.029	3054+65.35	RT
SW-B	Pond	534	n/a	n/a	0.006	n/a	0.006	3058+48.37	RT
SW-9	Ditch	511	n/a	n/a	1.675	n/a	1.675	3051.48.55	RT
SW-10	Ditch	511	n/a	n/a	0.029	n/a	0.029	3066+40.11	RT
SW-11	Ditch	511	n/a	n/a	0.089	n/a	0.089	3085+56.99	RT
SW-12	Ditch	511	n/a	n/a	0.000	n/a	0.000	n/a	n/a
Summary of Surface Waters					2.241		2.241		

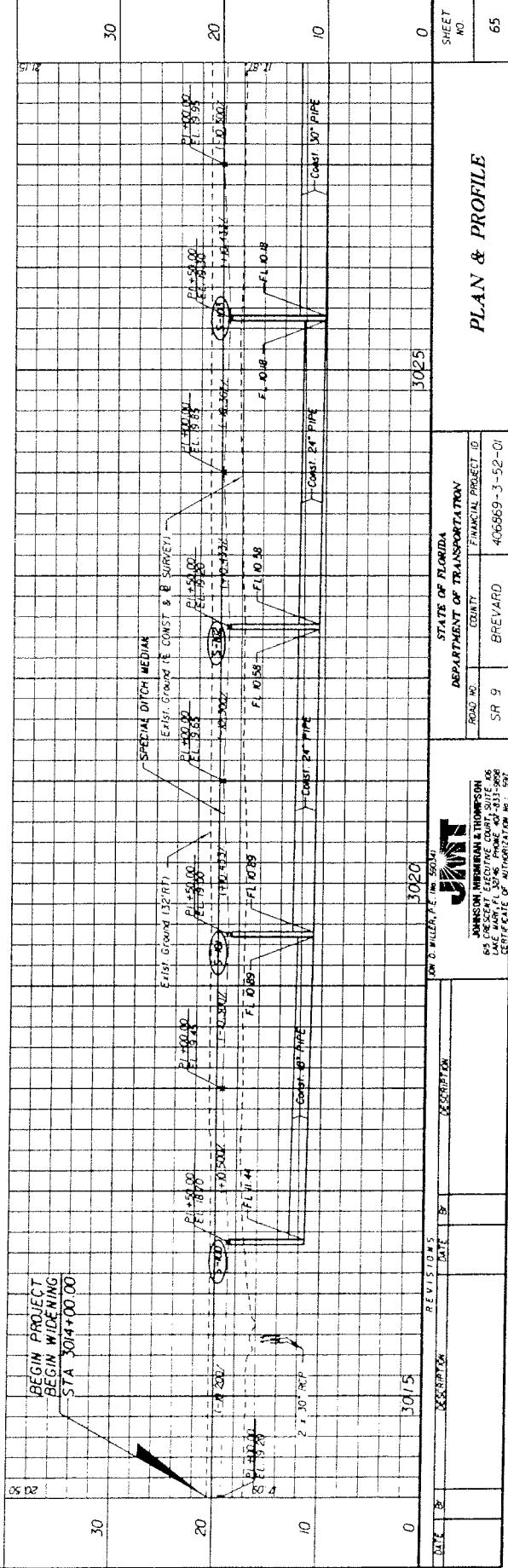
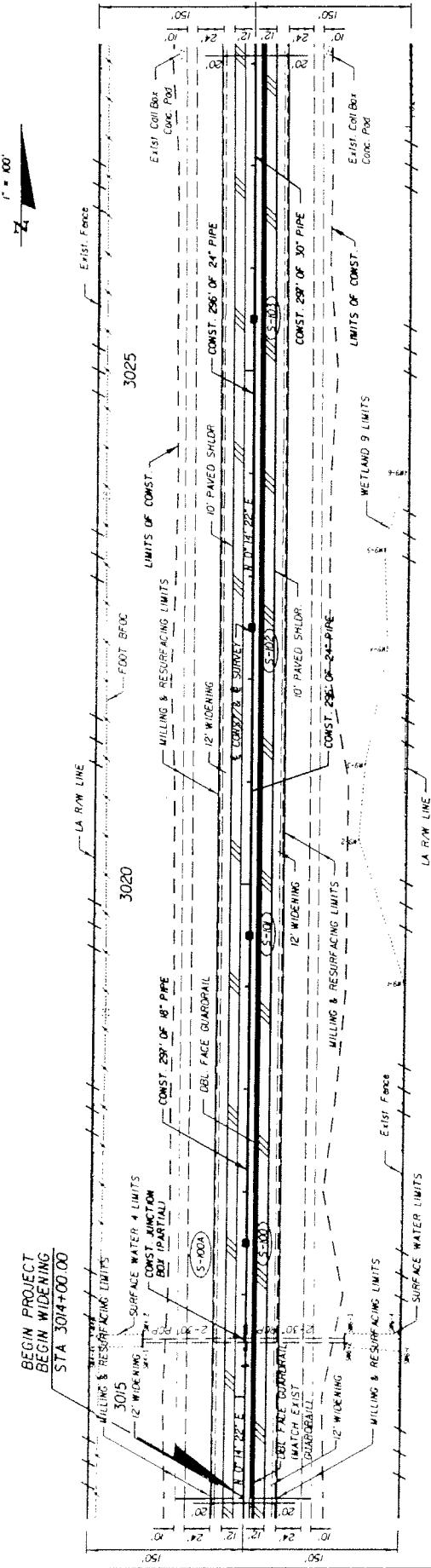
1. Florida Land Use, Cover, and Forms Classification System (FLUCFCS) (FDOT, 1999)
2. Classification of Wetlands and Deepwater Habitats of the United States (Cowardin, et al, 1979)

3. Based upon aerial photo interpretation ground truthing and survey when available.
4. Subject to agency verification





NOTICE: THE OFFICIAL RECORDS OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6005-23.003, F.A.C.



Broadway PLANS.dcm 4:28:2008 3/13/03 PM

100'

LA. R/W LINE

EXIST. F. EROD

EXIST. F. EROD C.R.

3030

3035

3040

3045

3050

3055

3060

3065

3070

3075

3080

3085

3090

3095

3100

3105

3110

3115

3120

3125

3130

3135

3140

3145

3150

3155

3160

3165

3170

3175

3180

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3205

3210

3215

3220

3225

3230

3235

3240

3245

3250

3255

3260

3265

3270

3275

3280

3285

3290

3295

3300

3305

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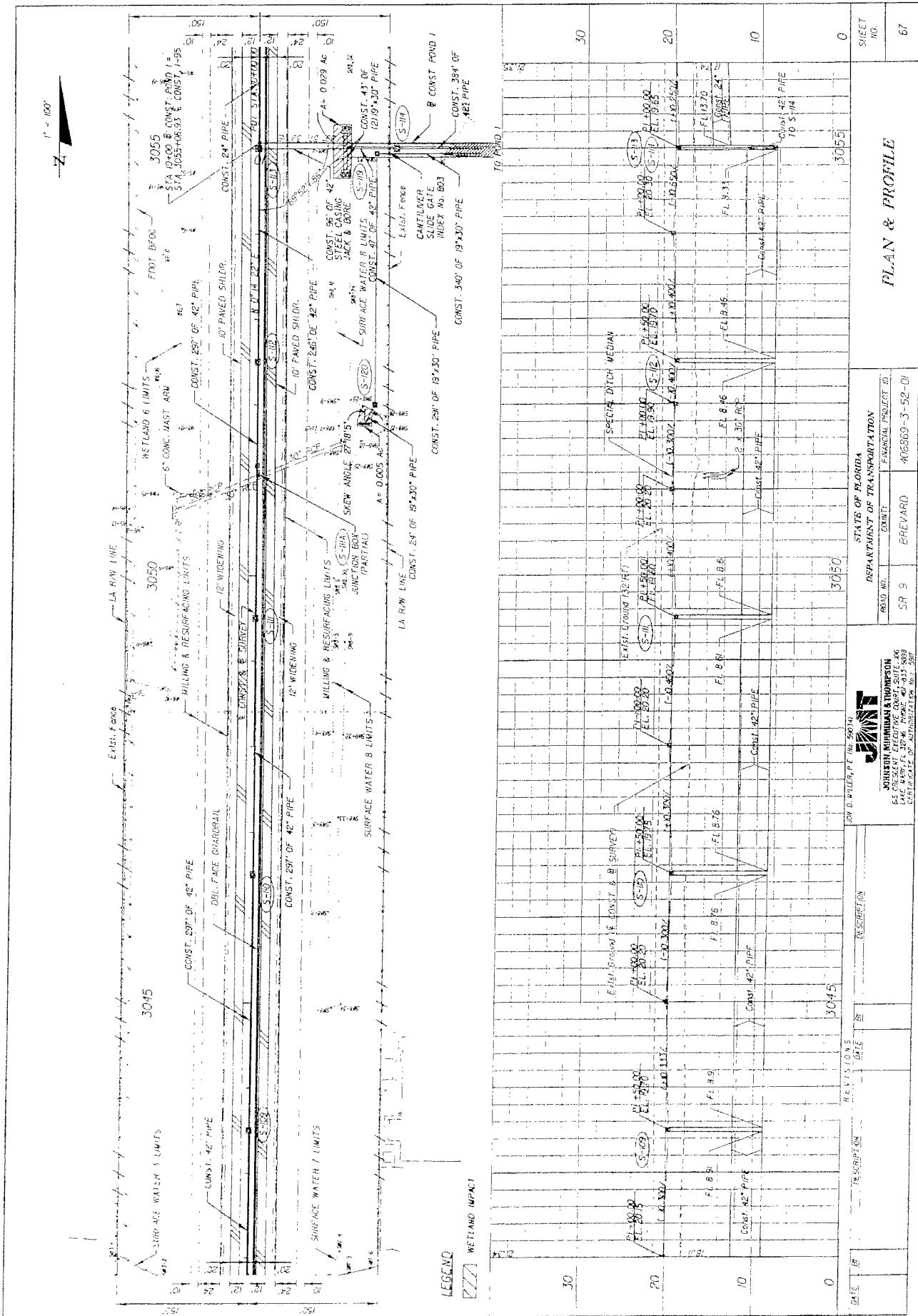
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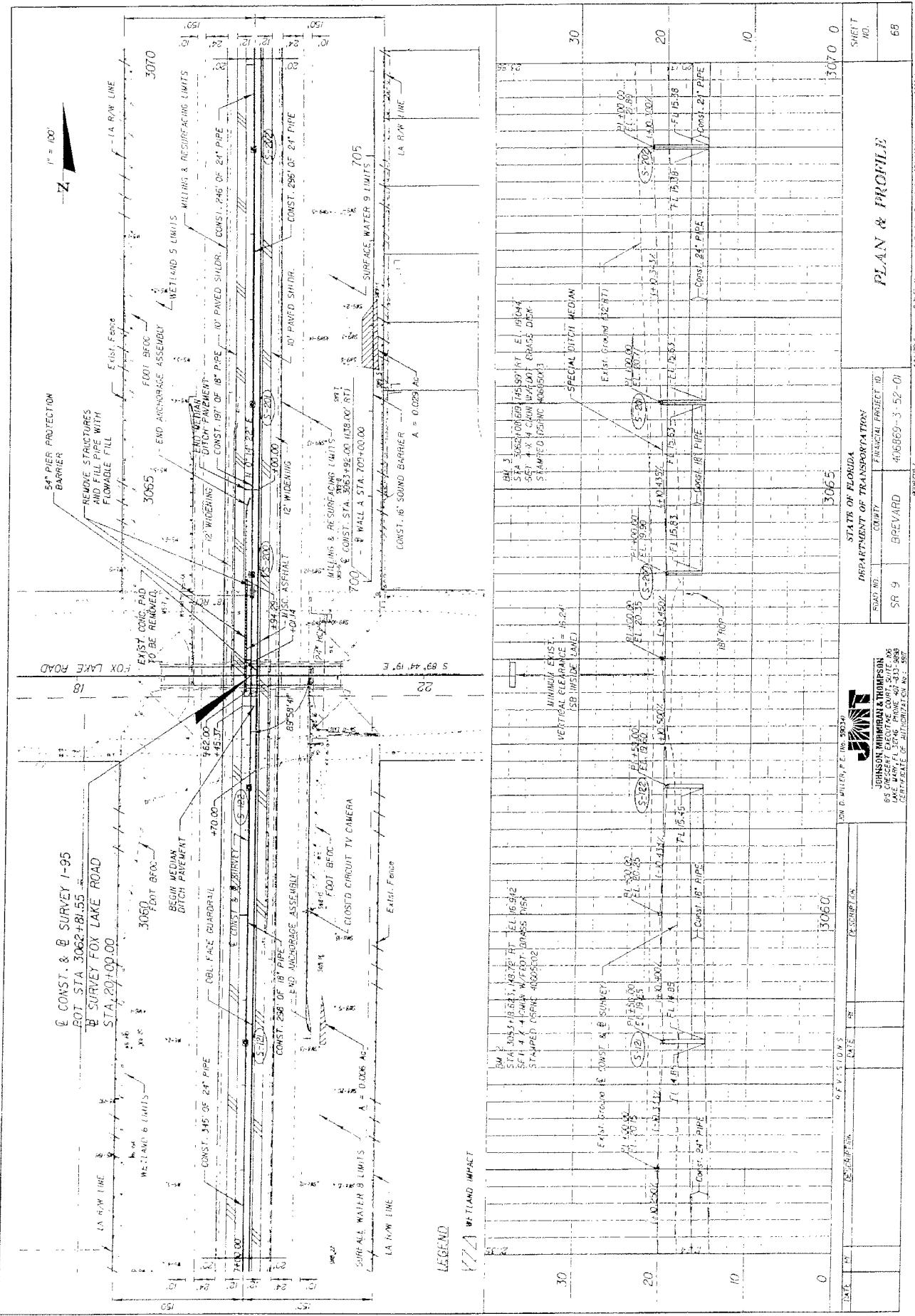
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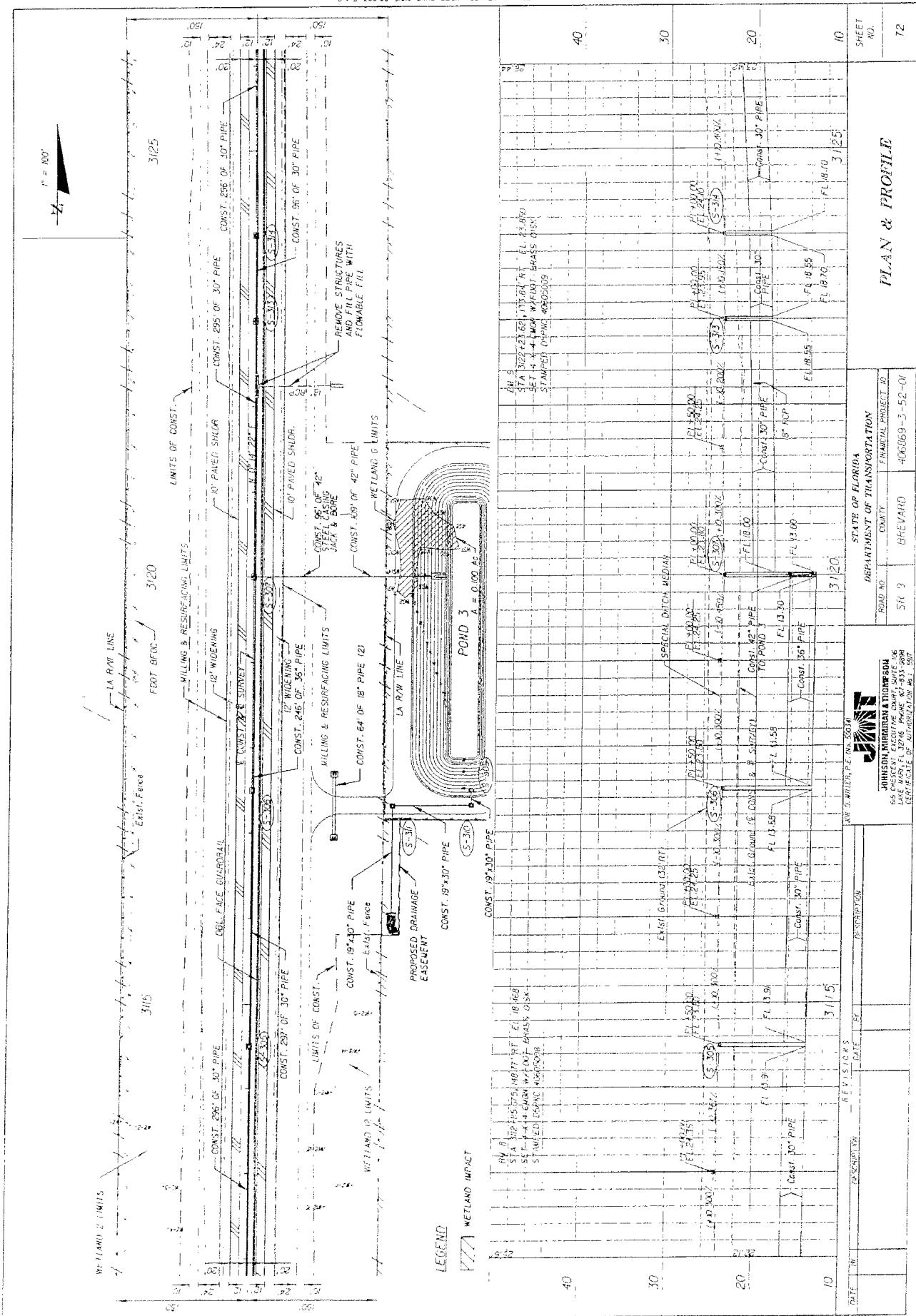
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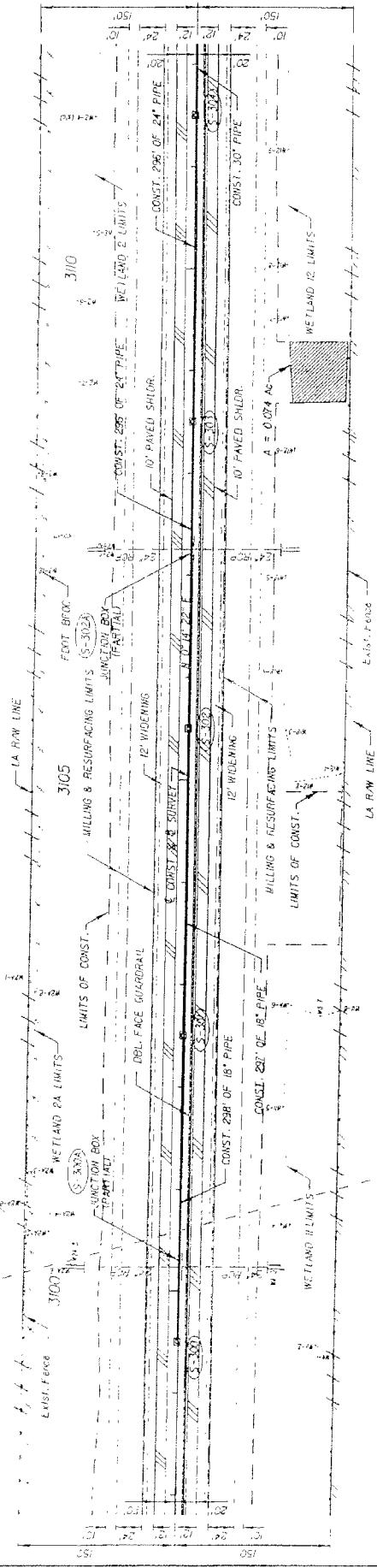
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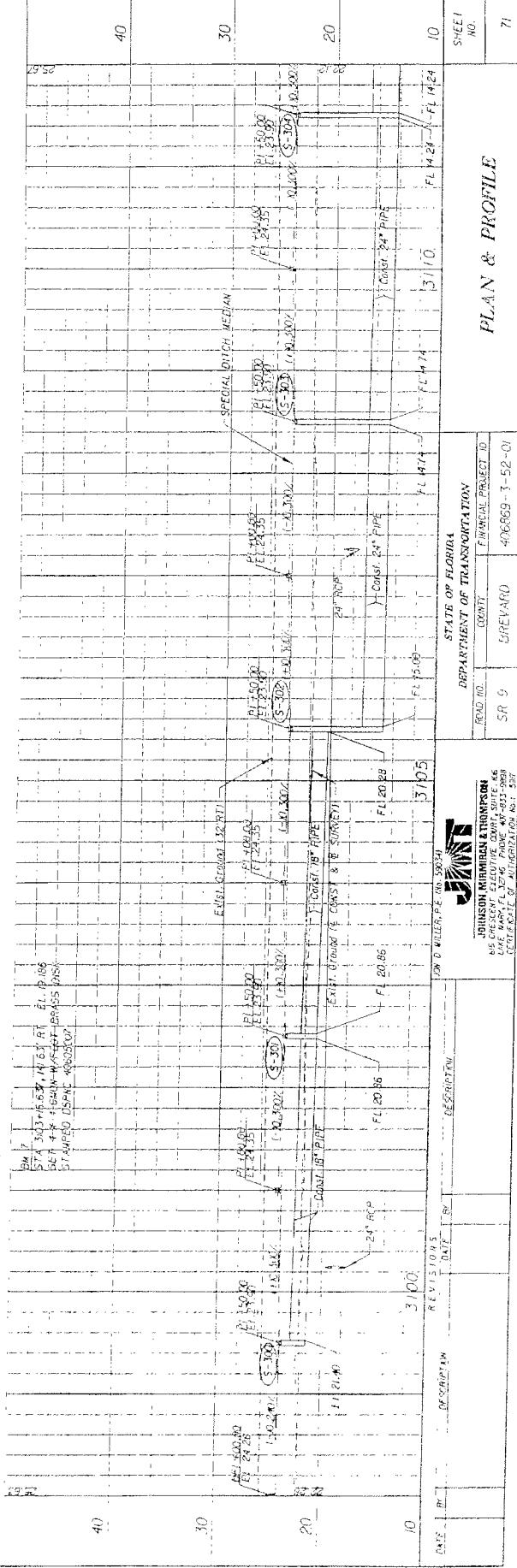
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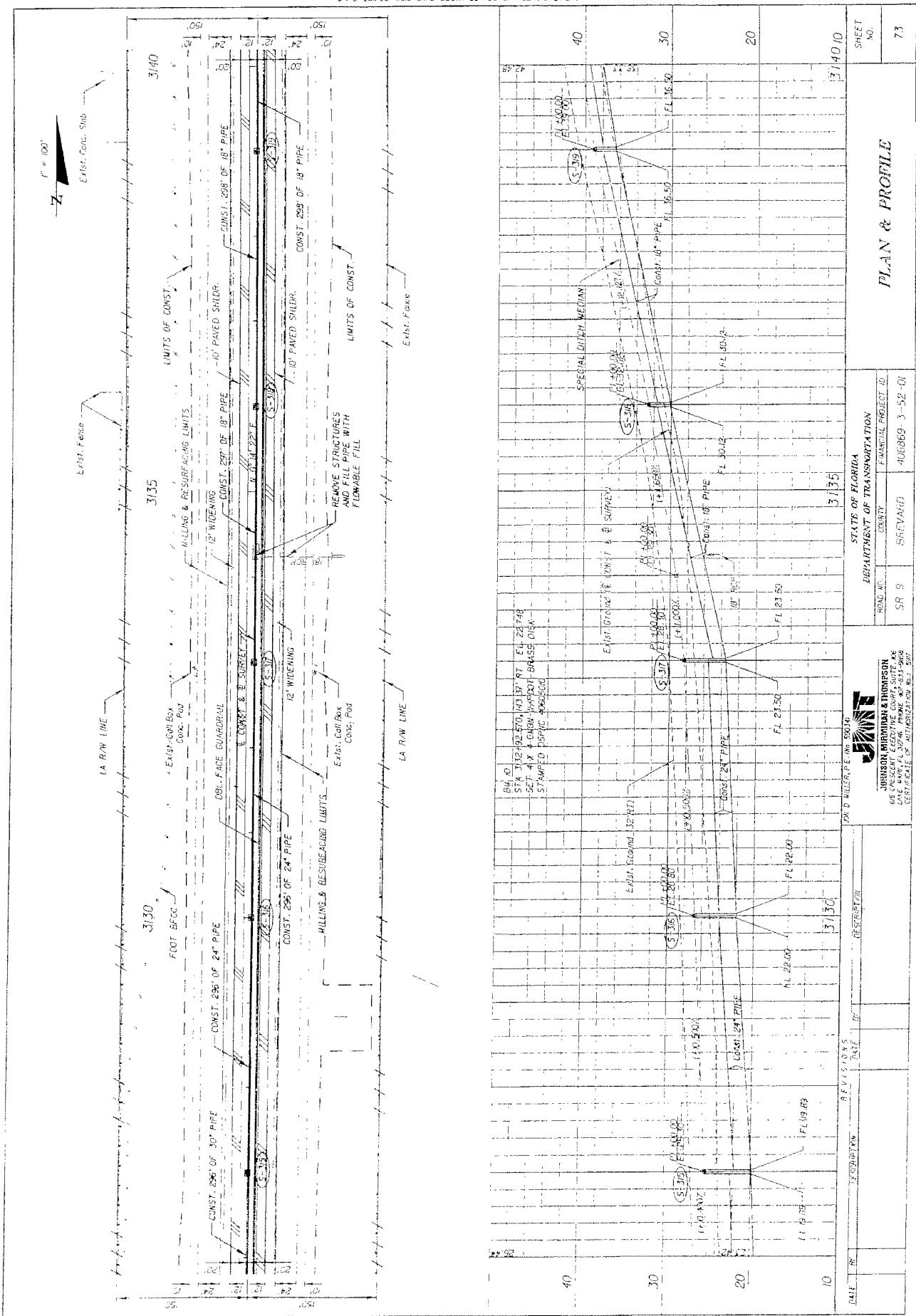
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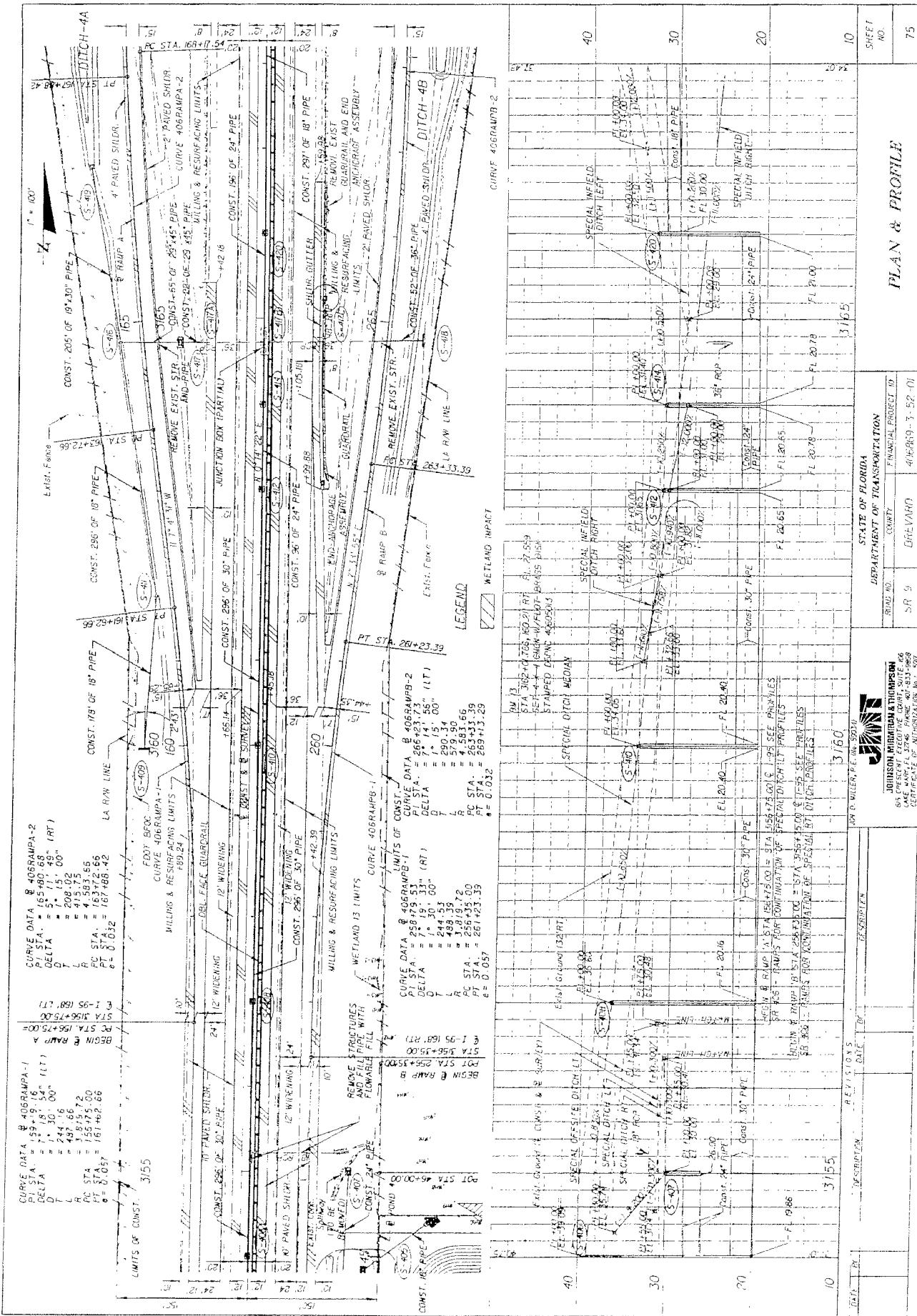


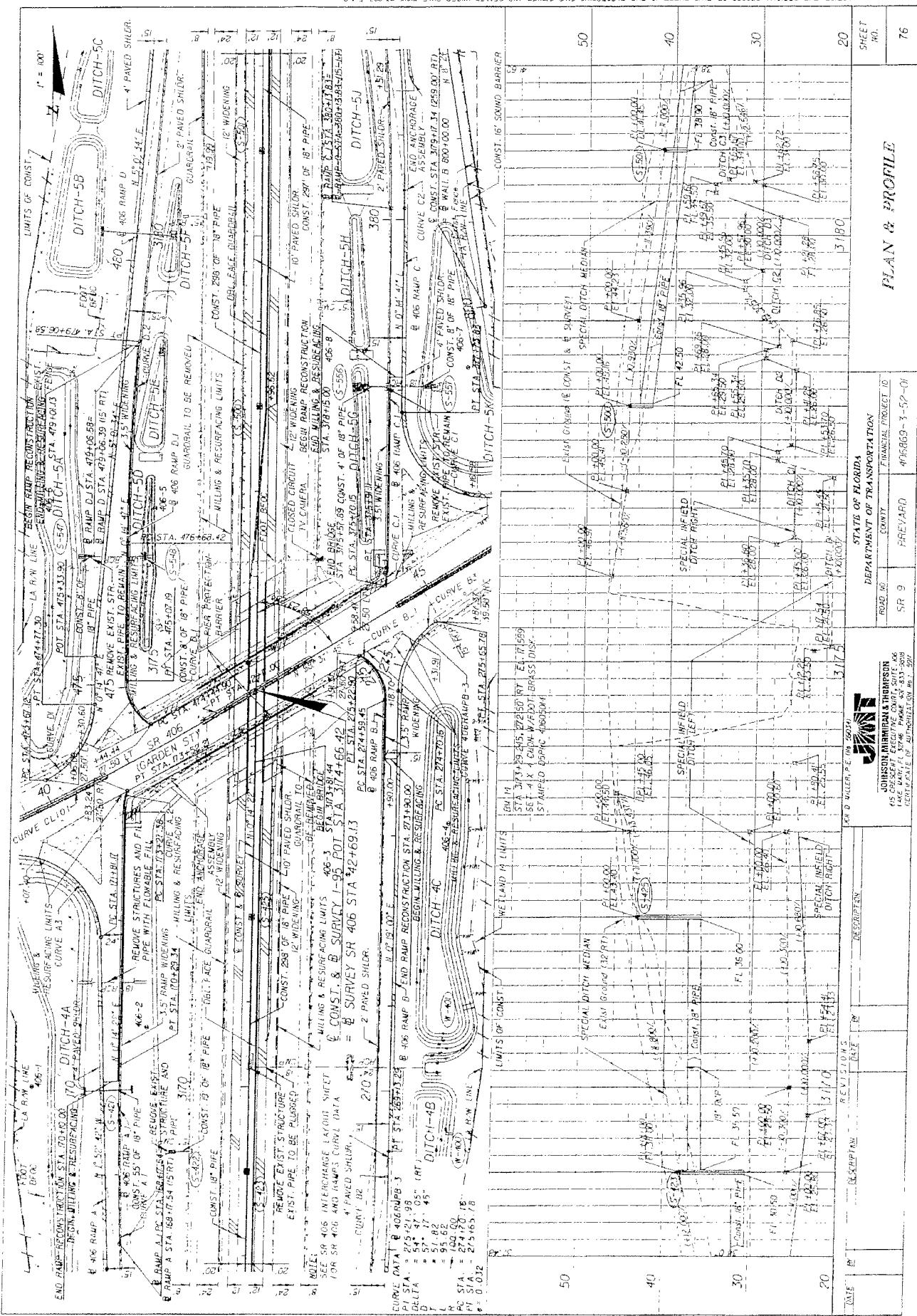
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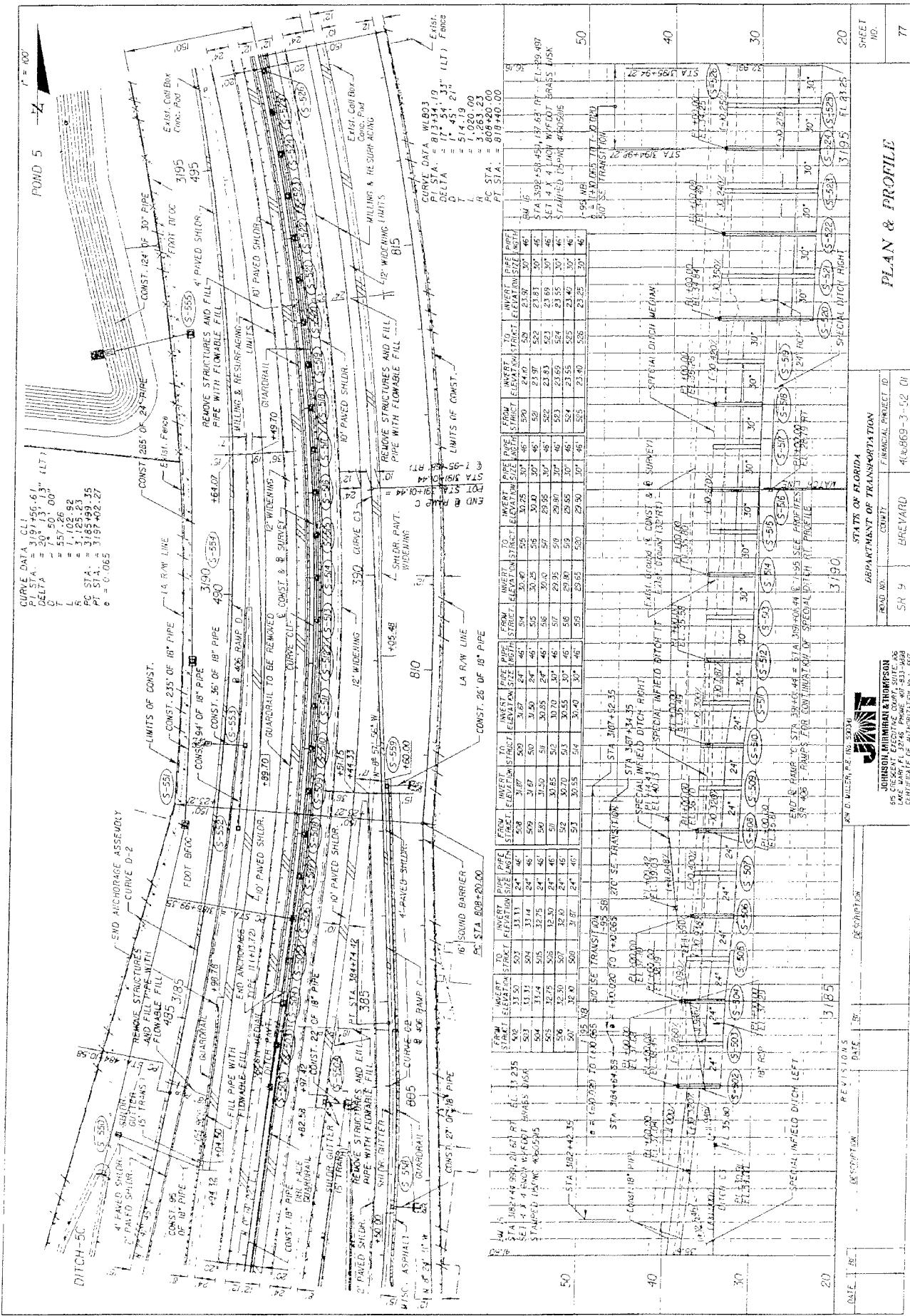


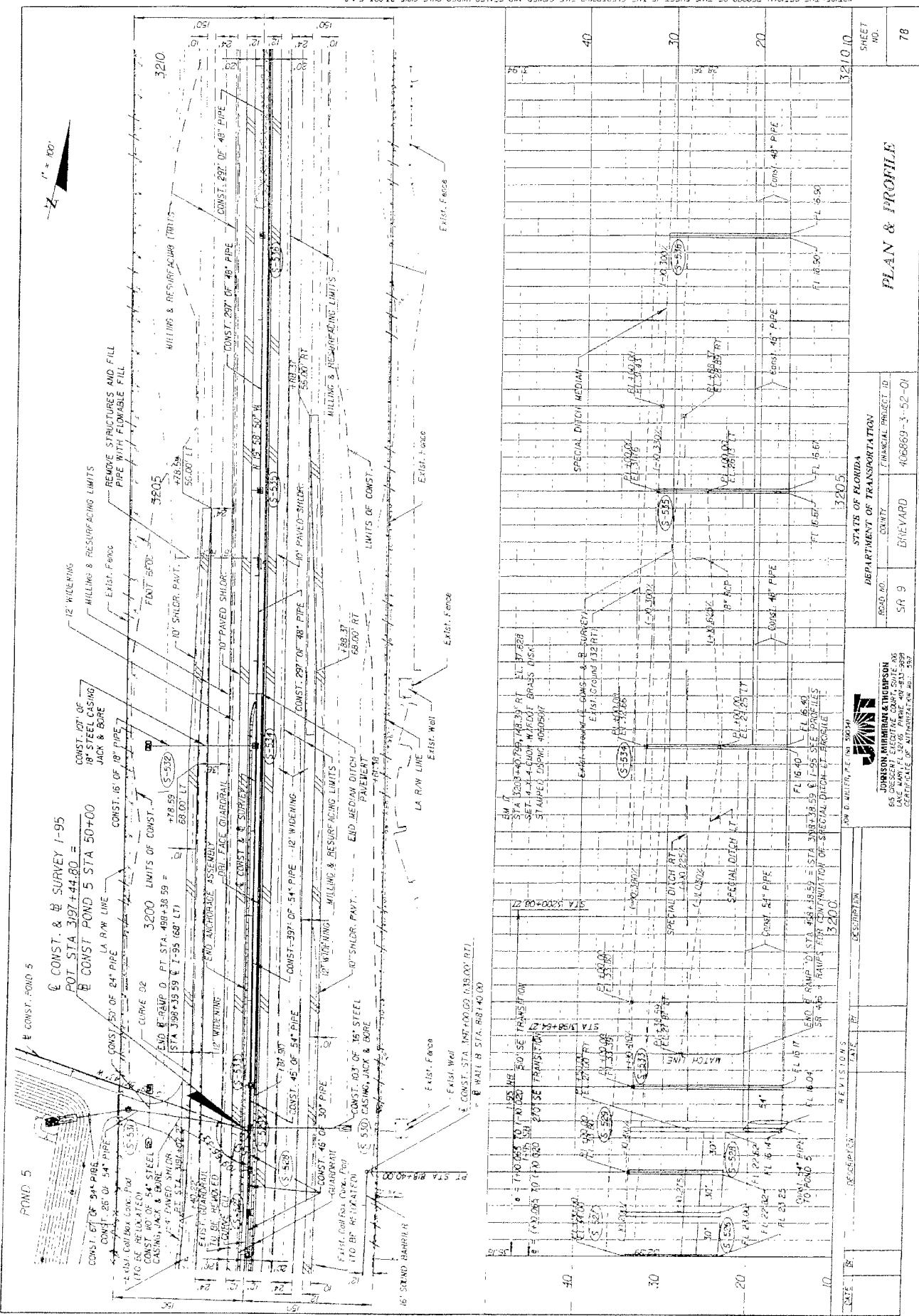
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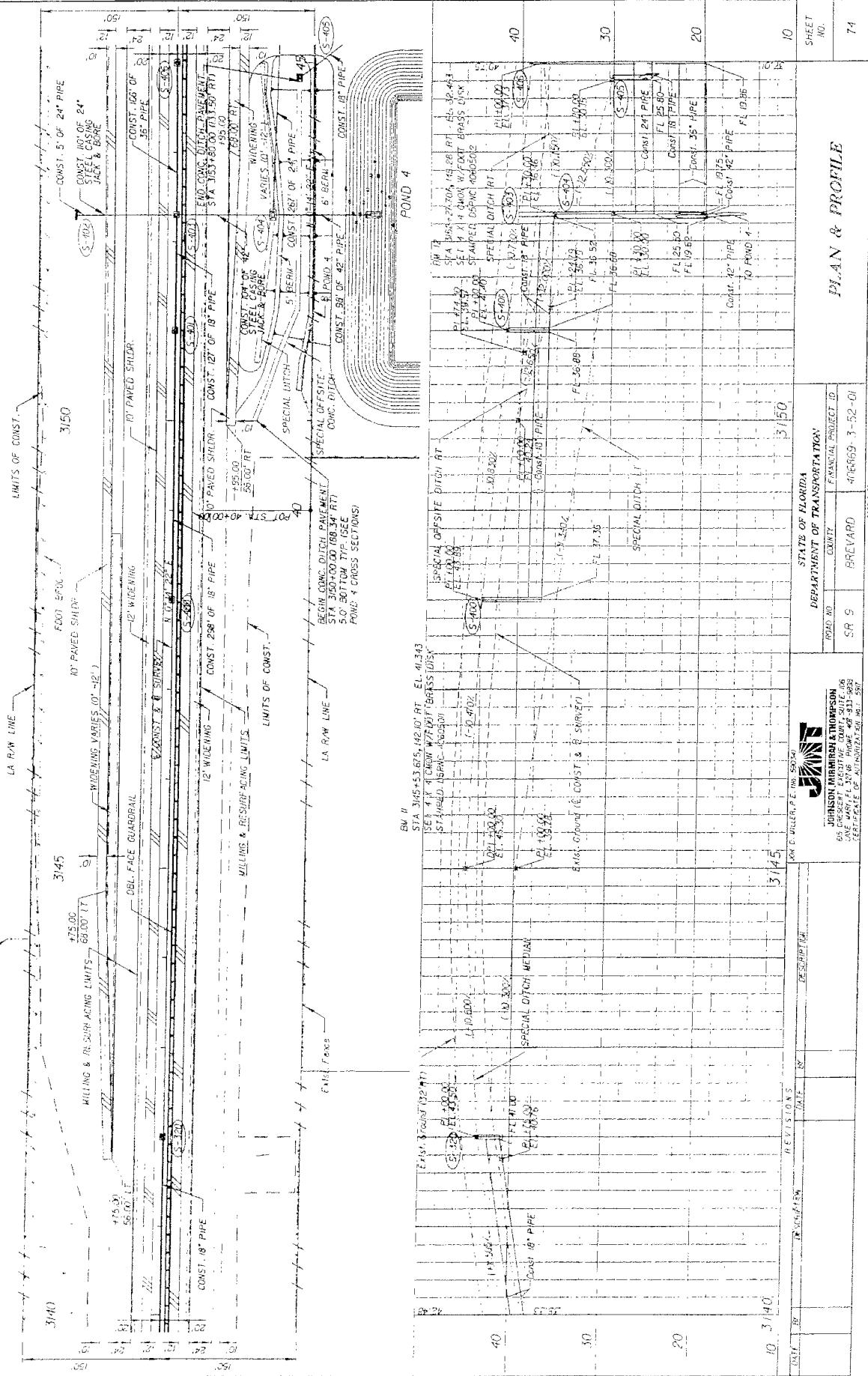




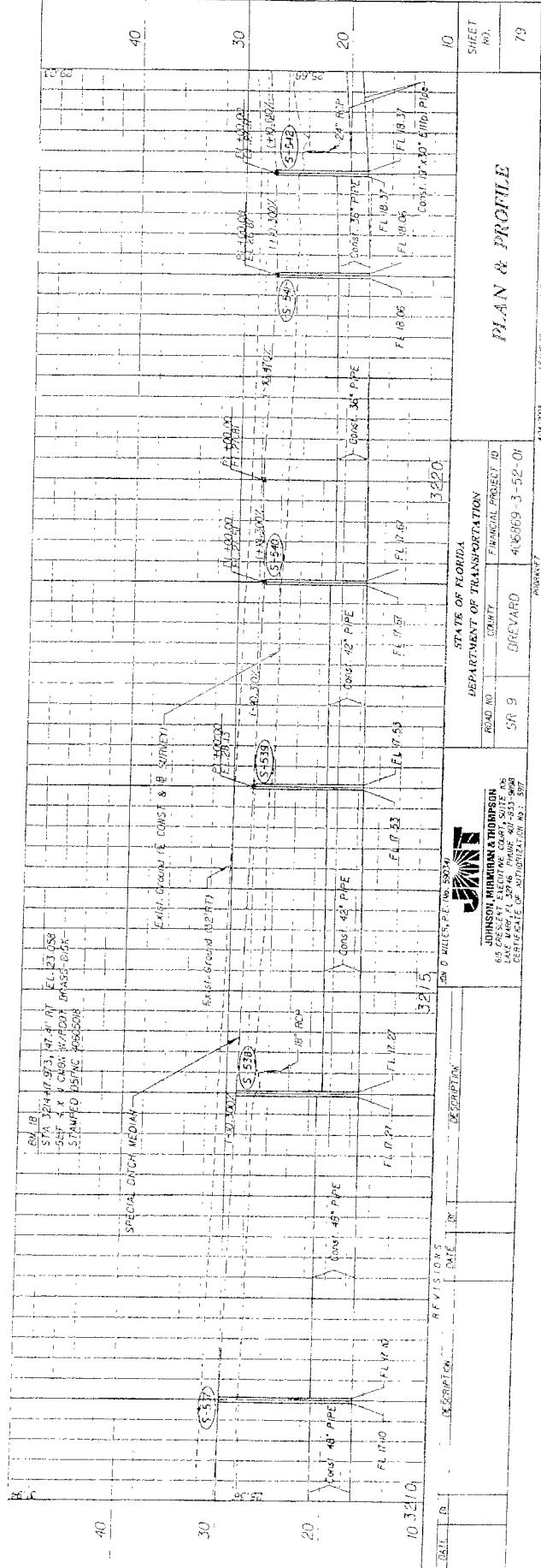
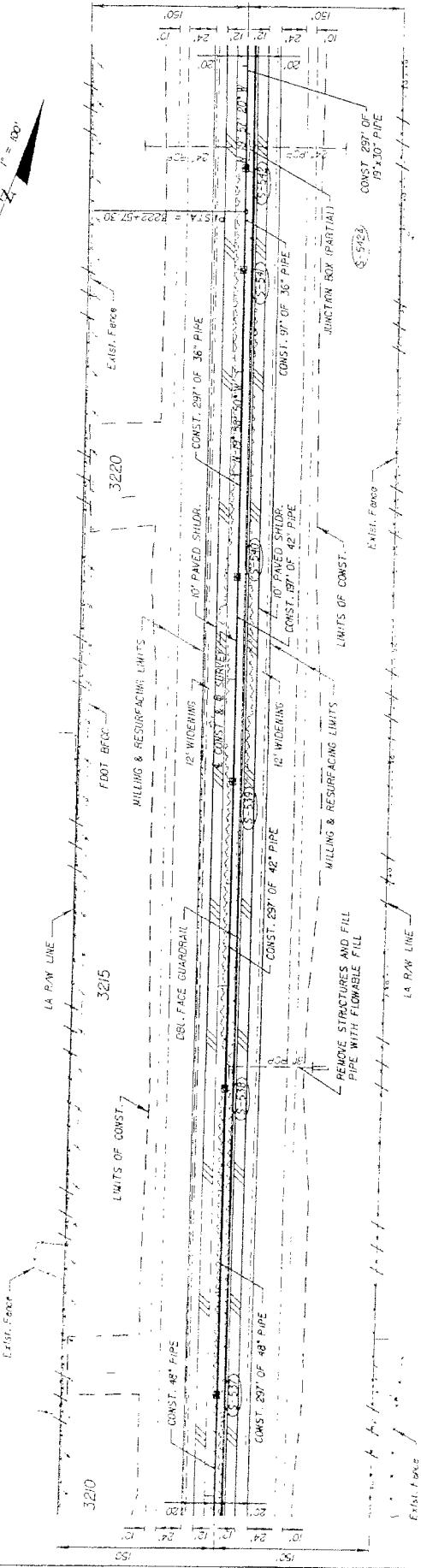
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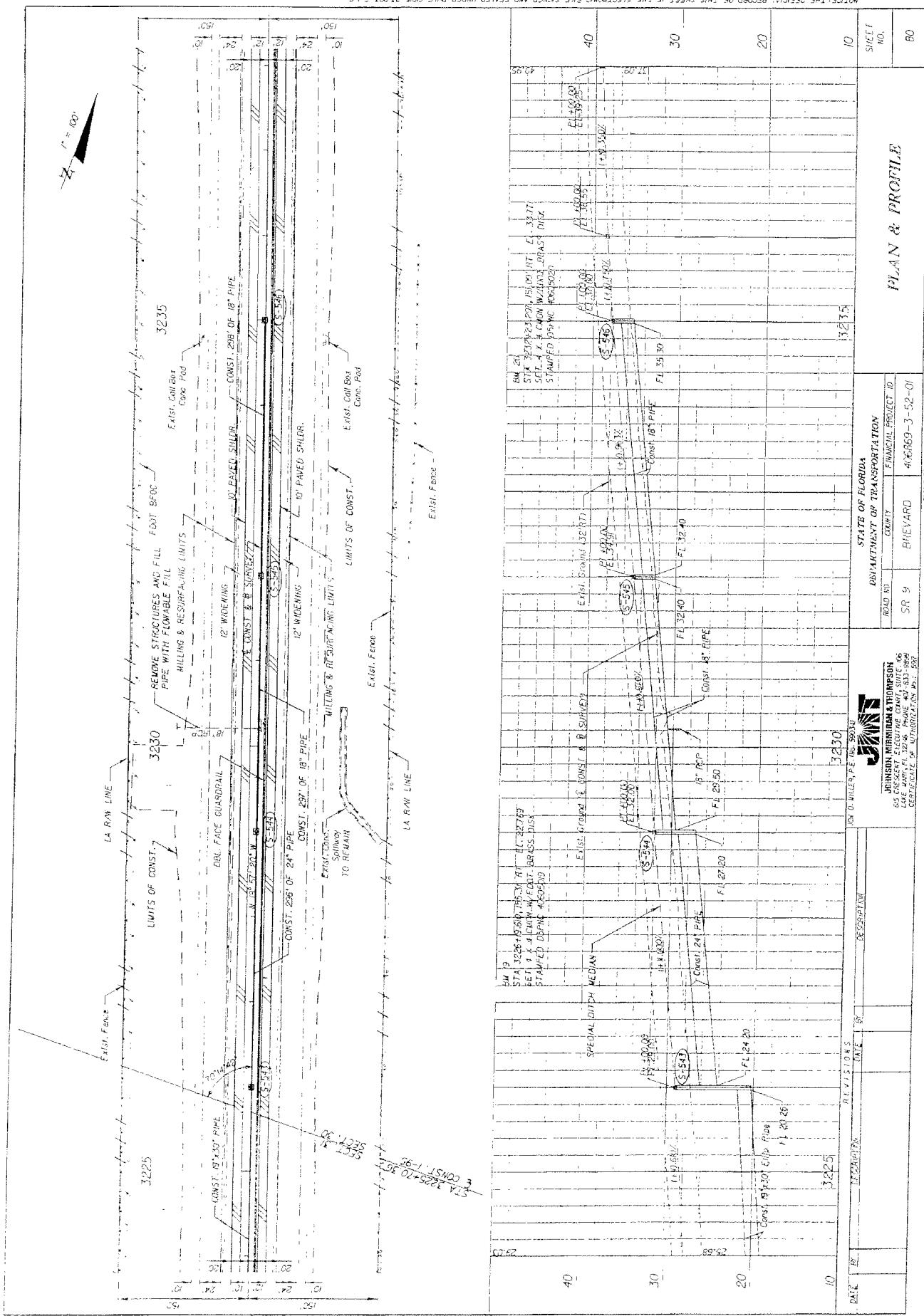
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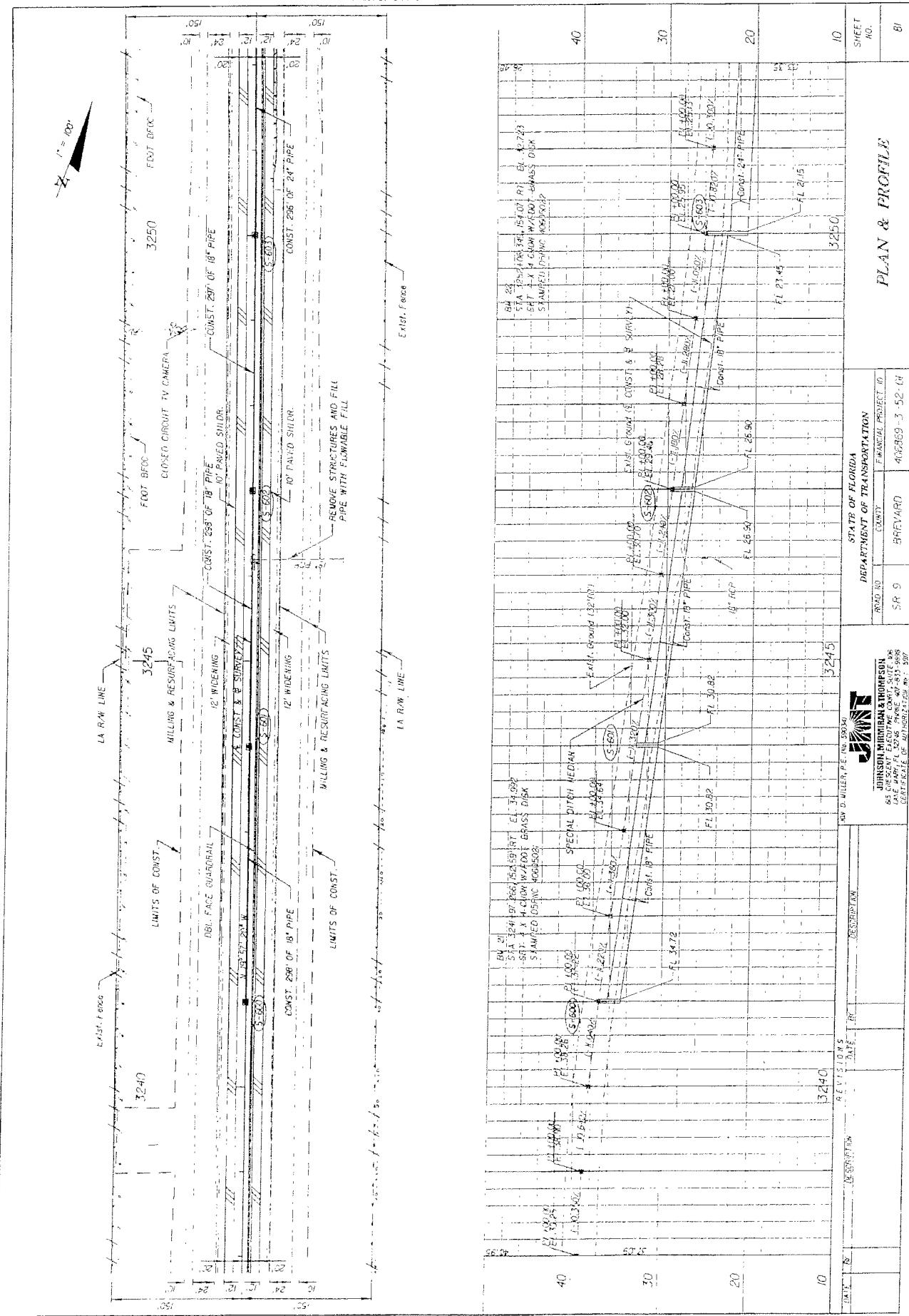
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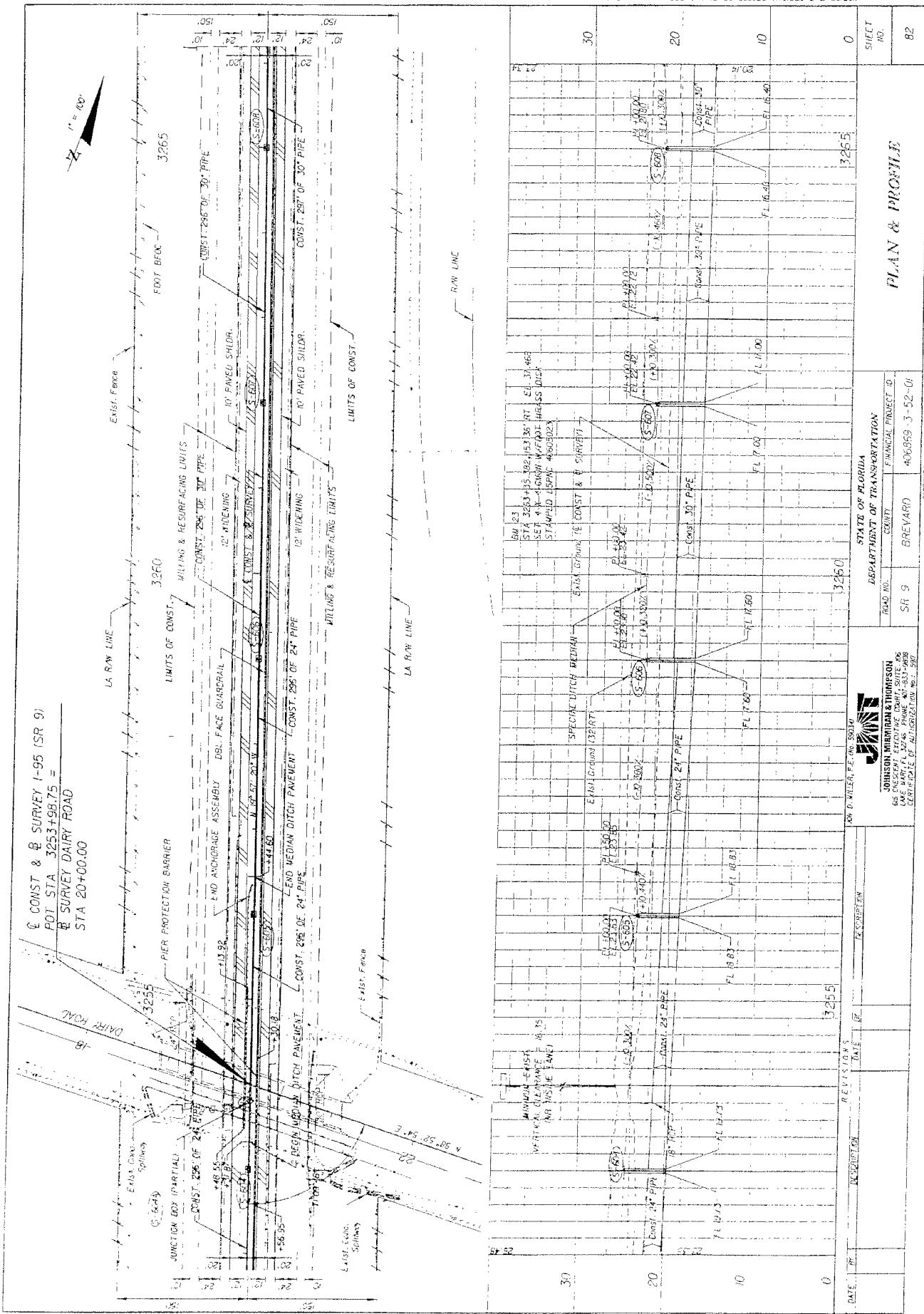
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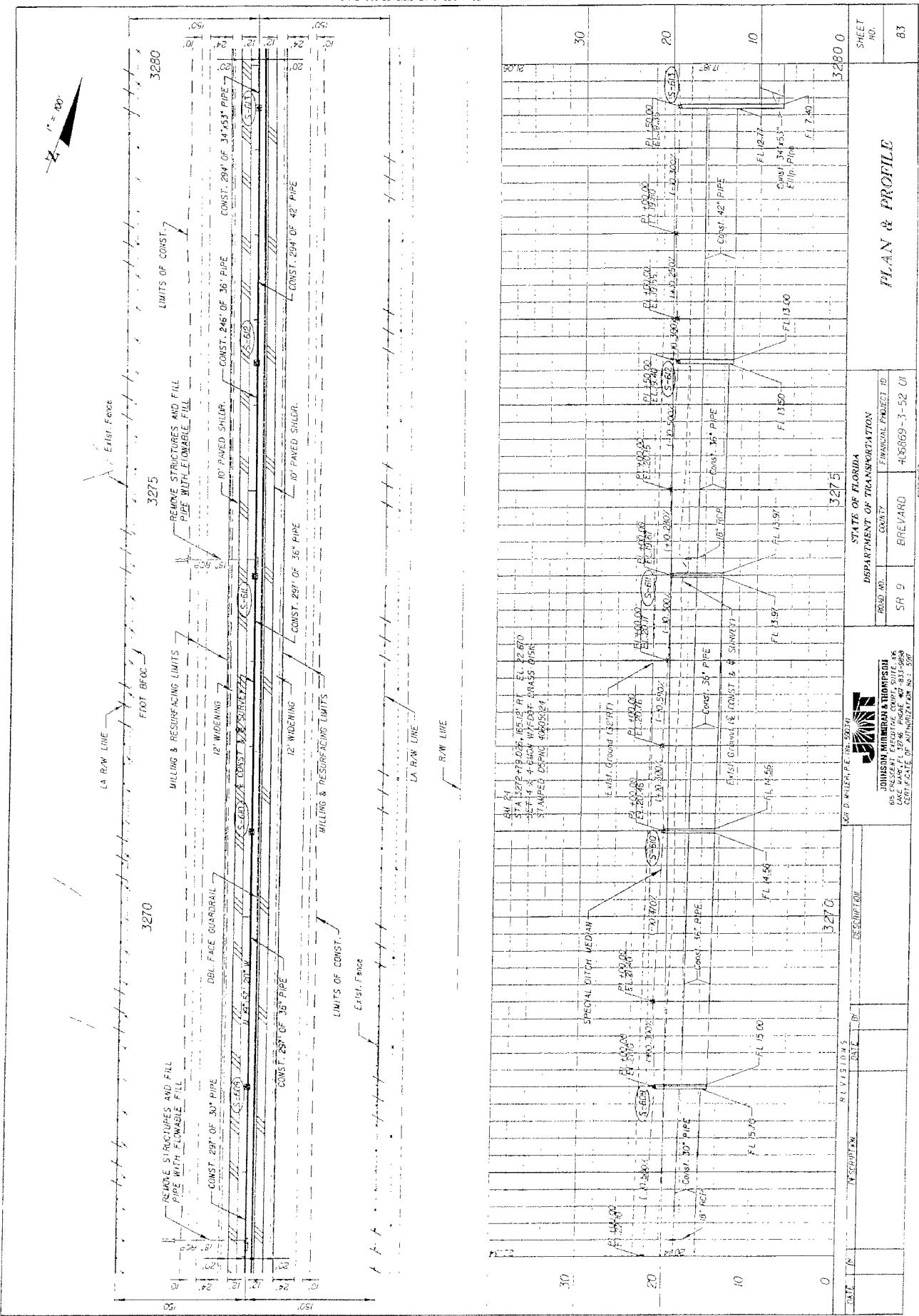


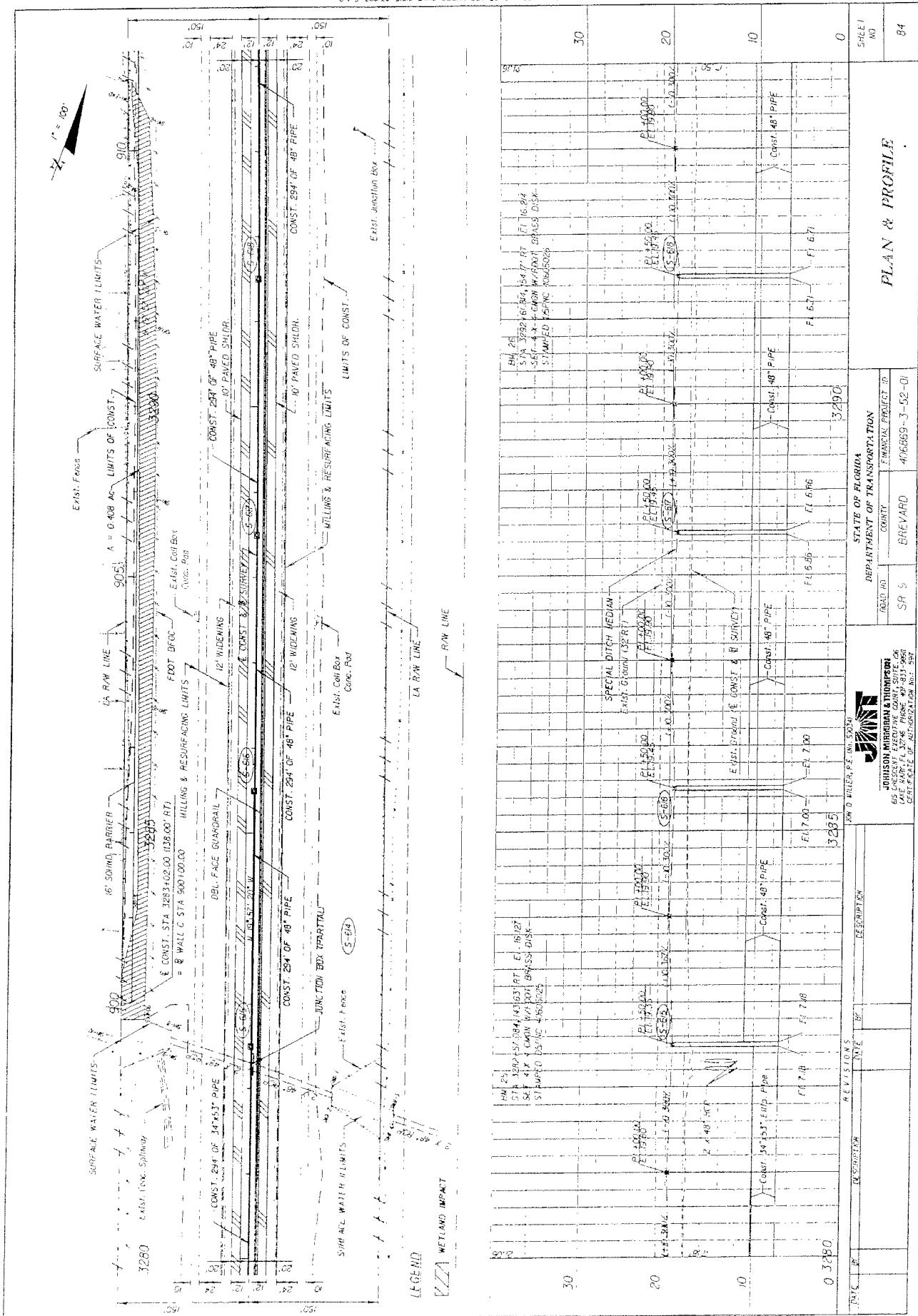


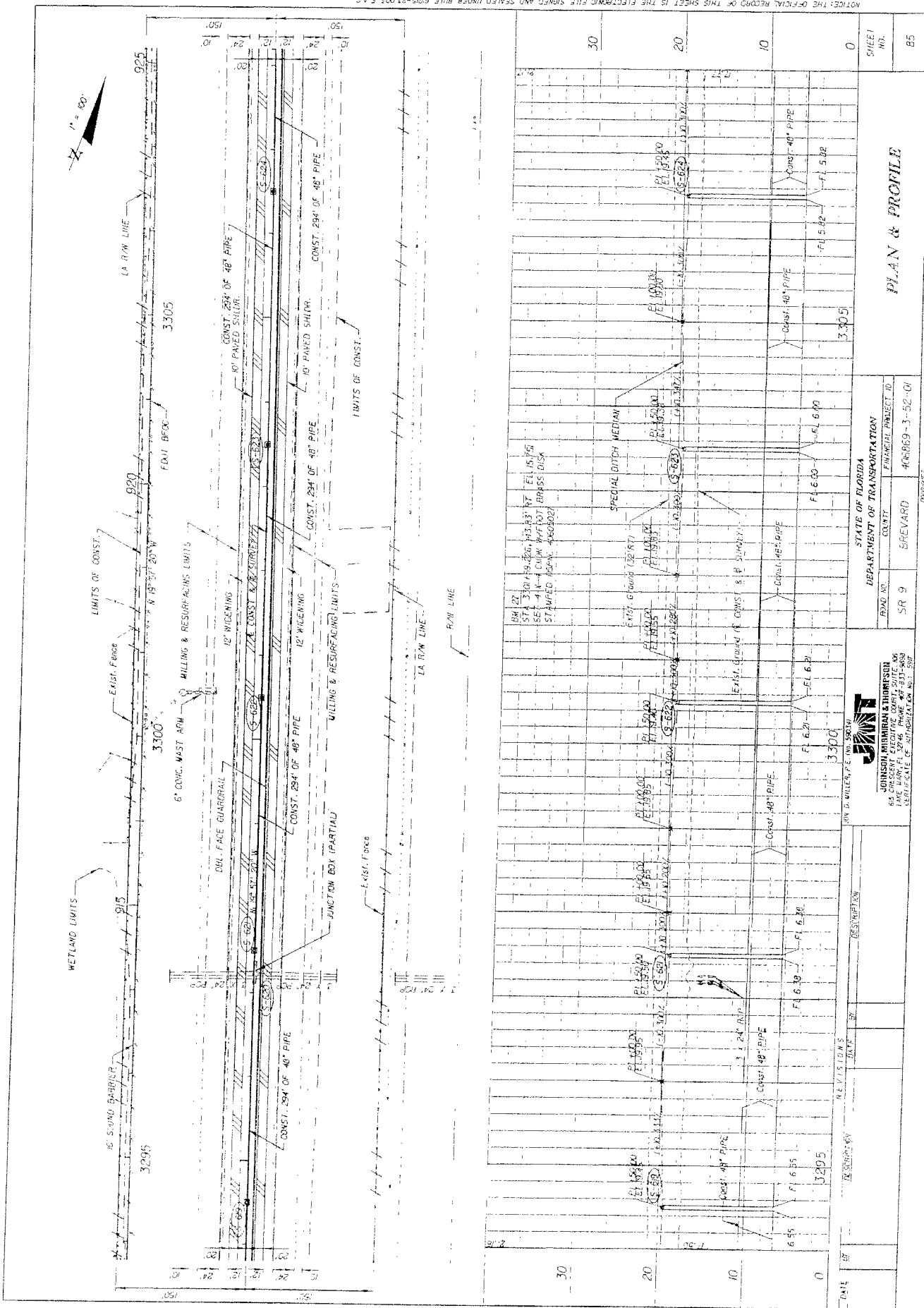
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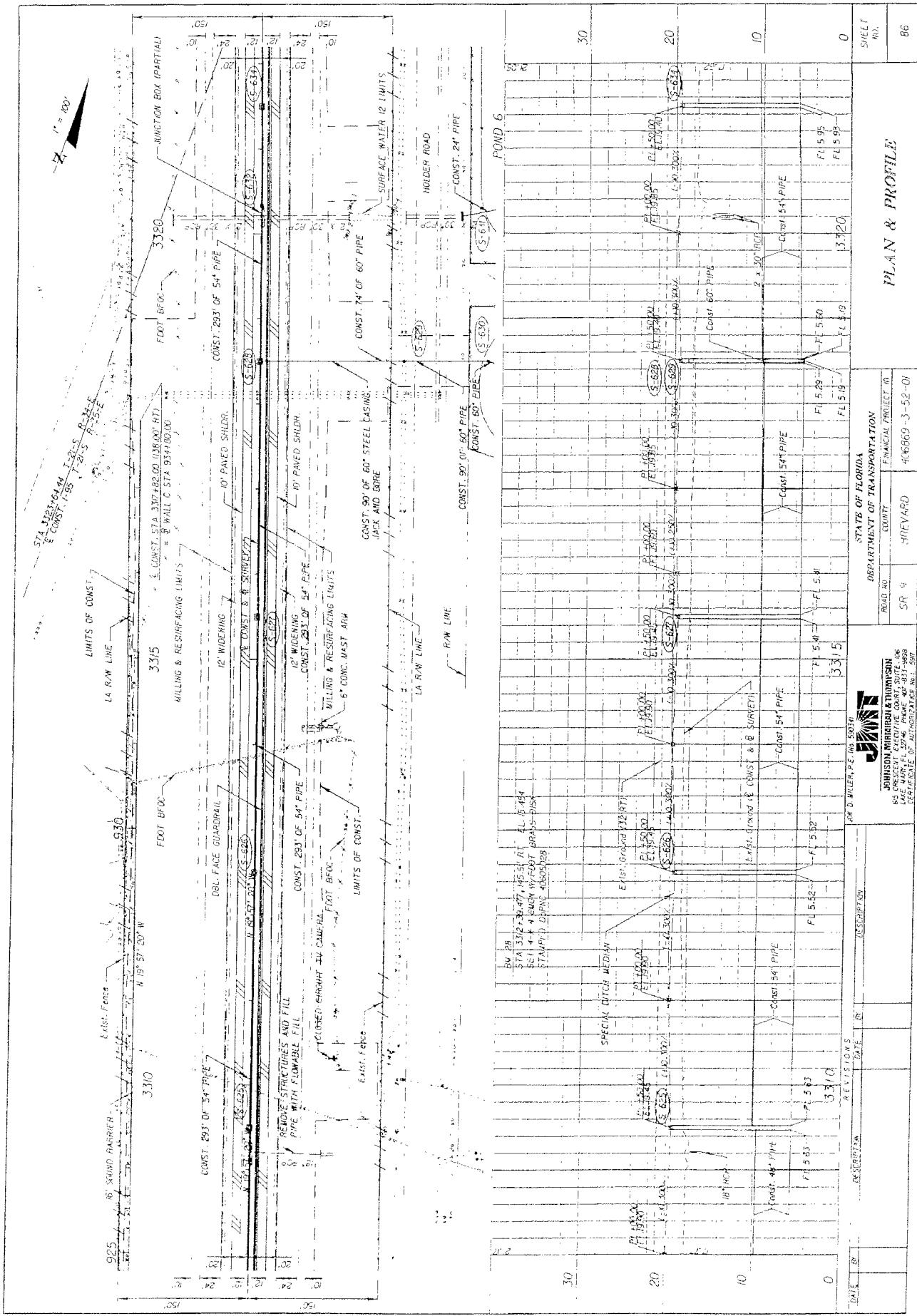
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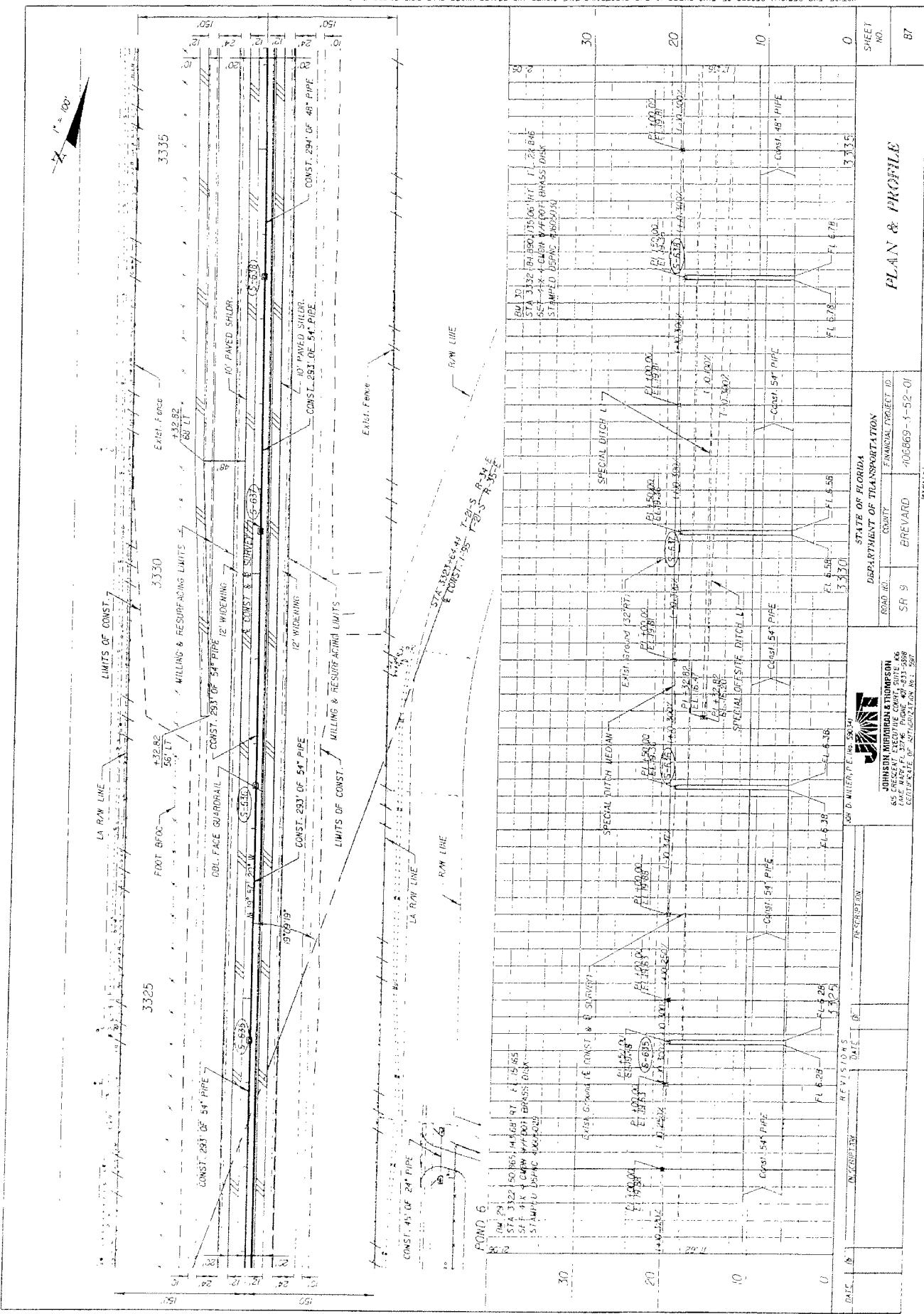


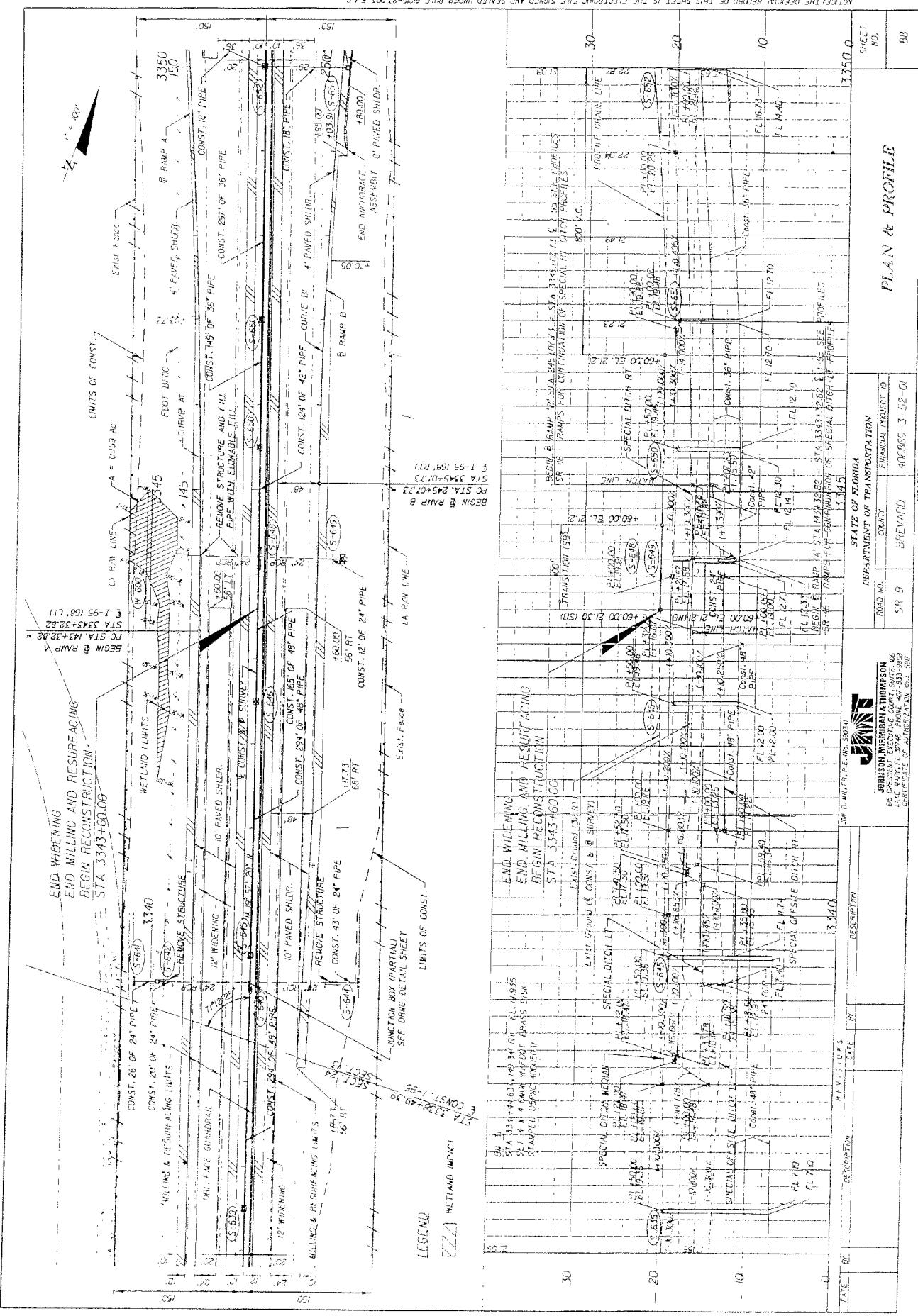


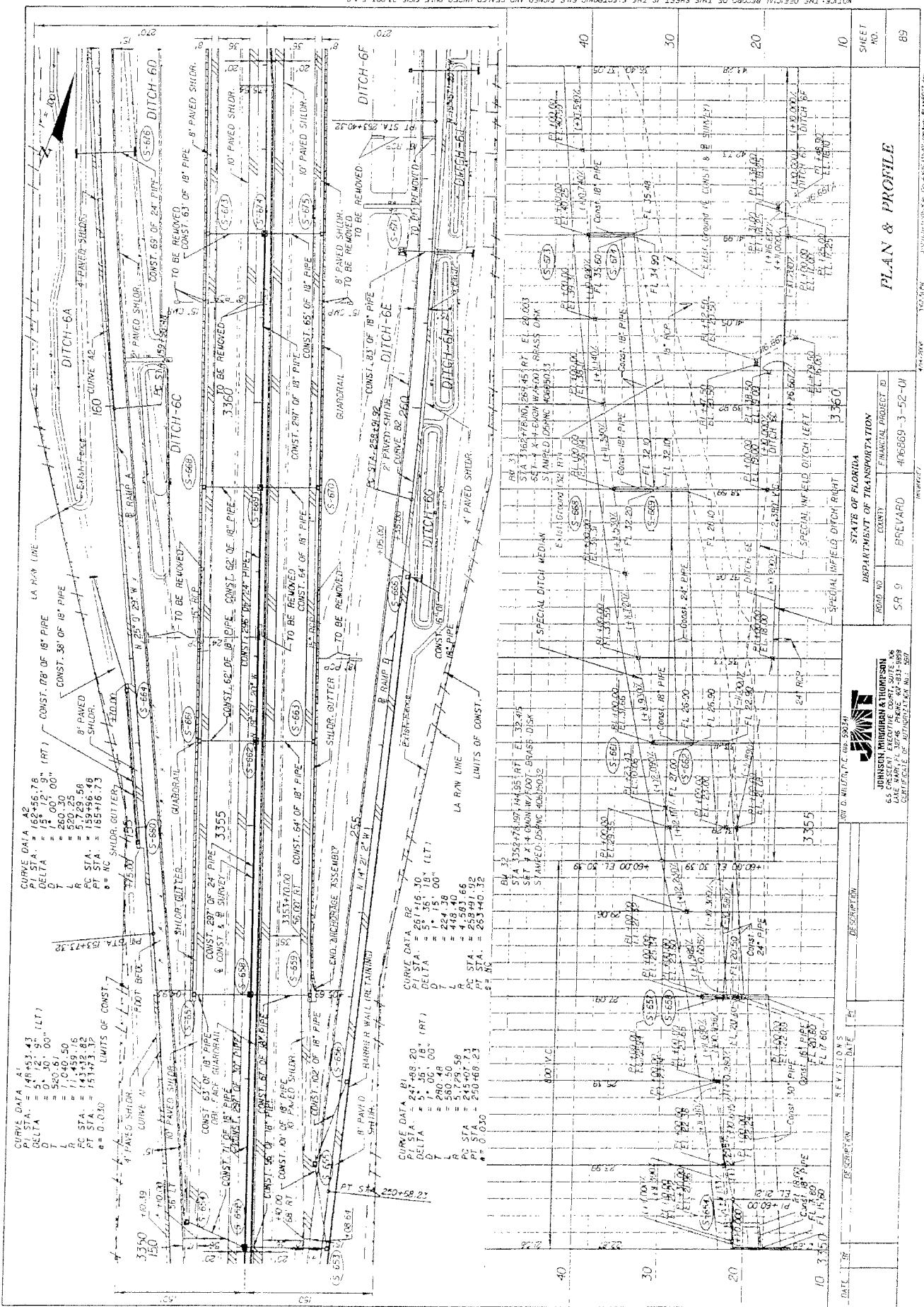


NOTE TO USE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 1616-23, F.A.C.

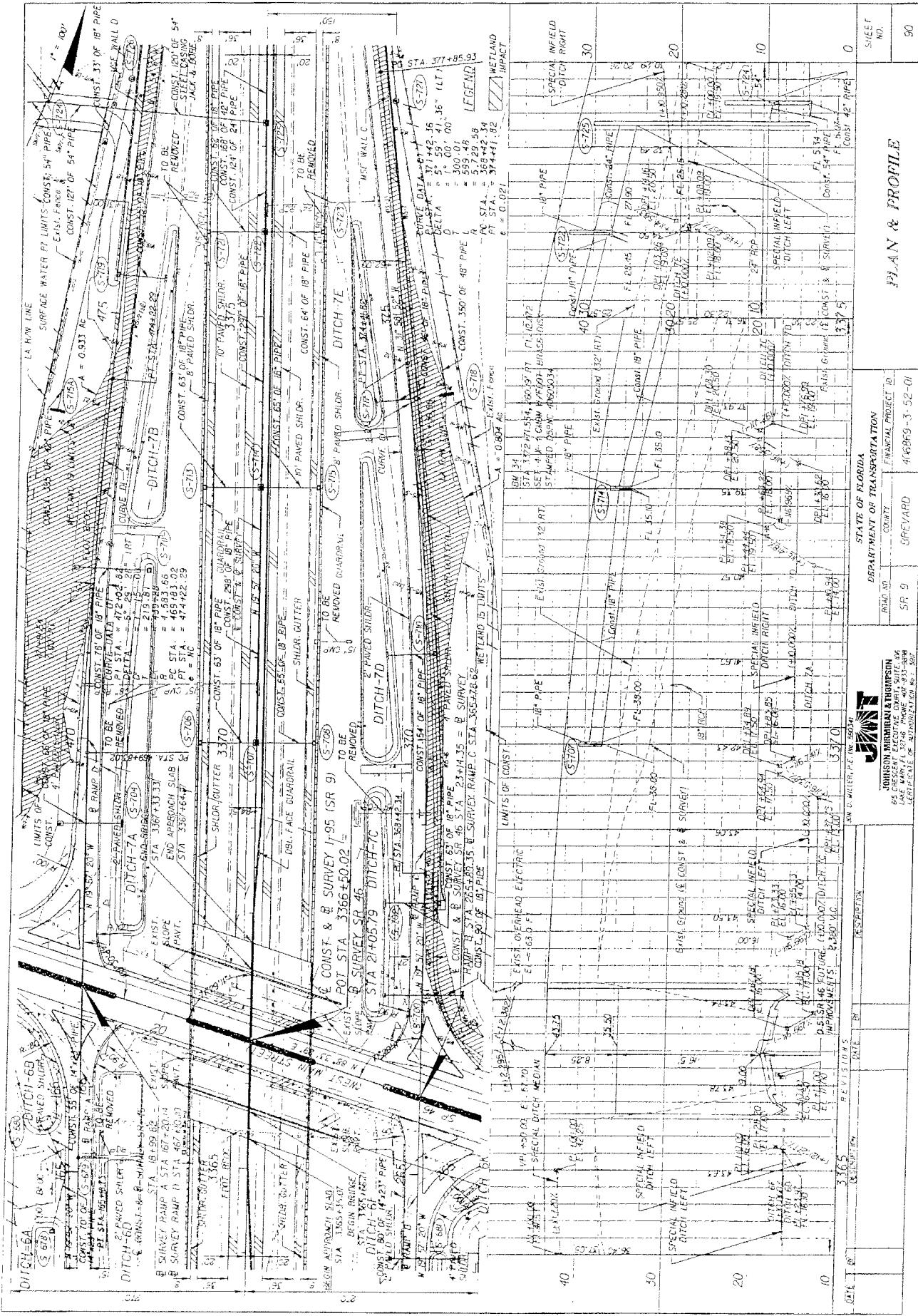


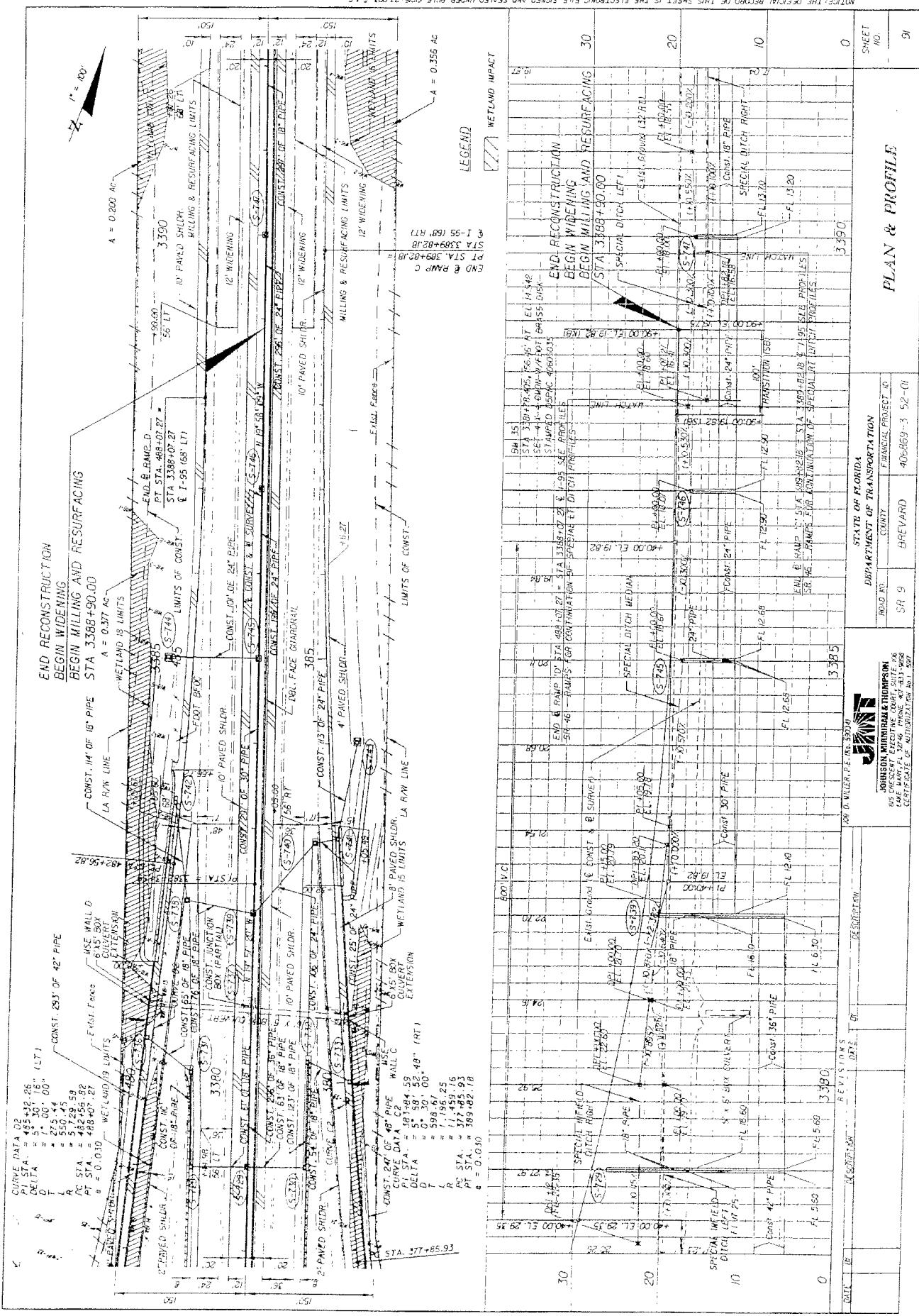




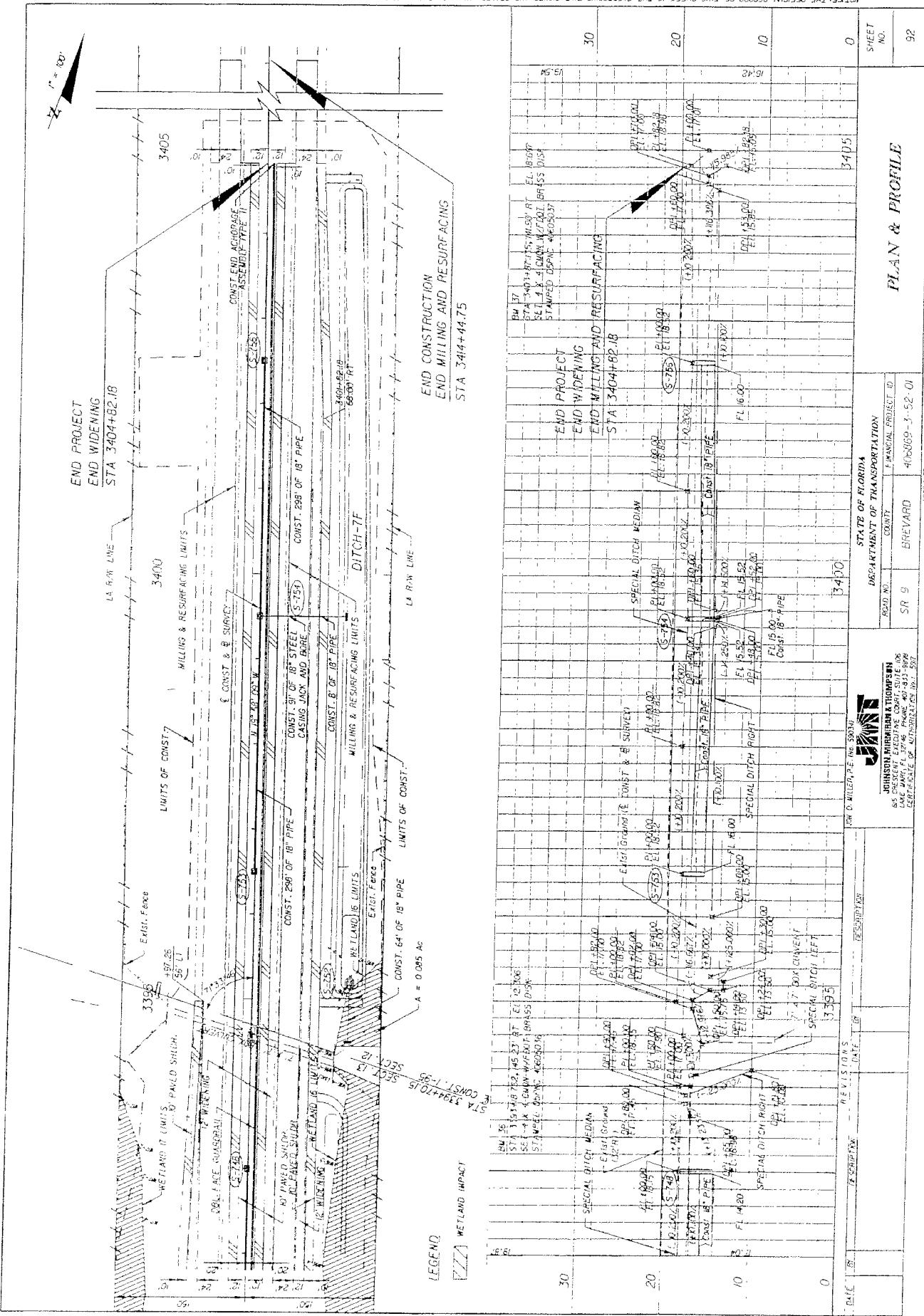


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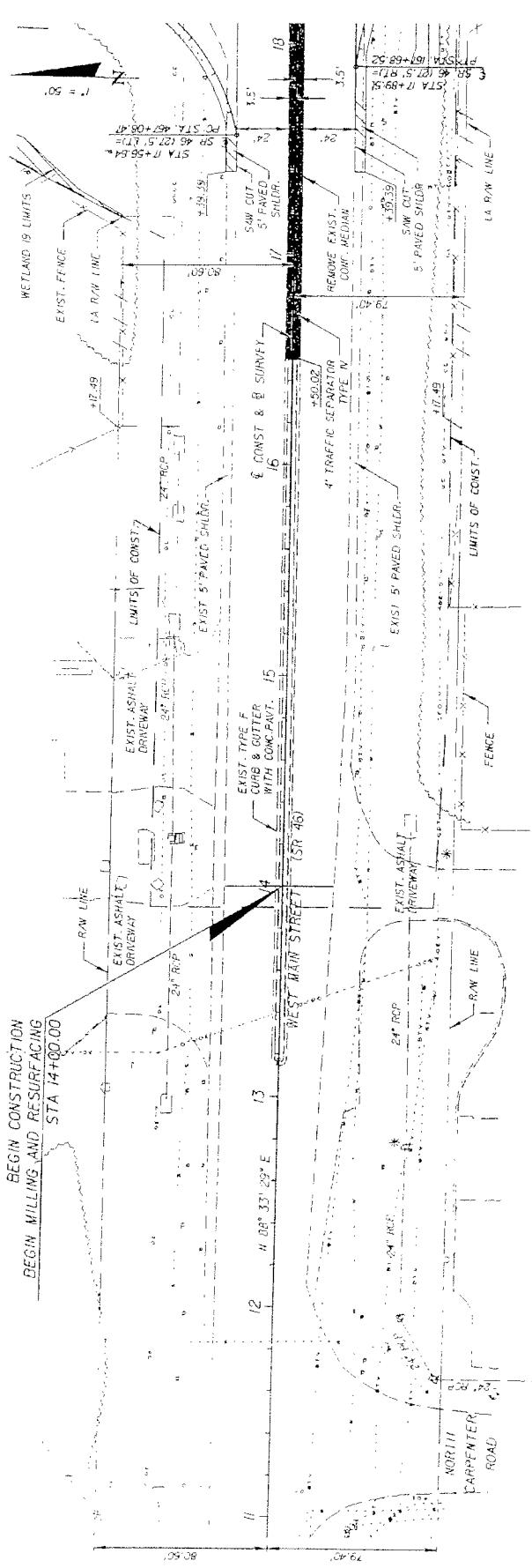


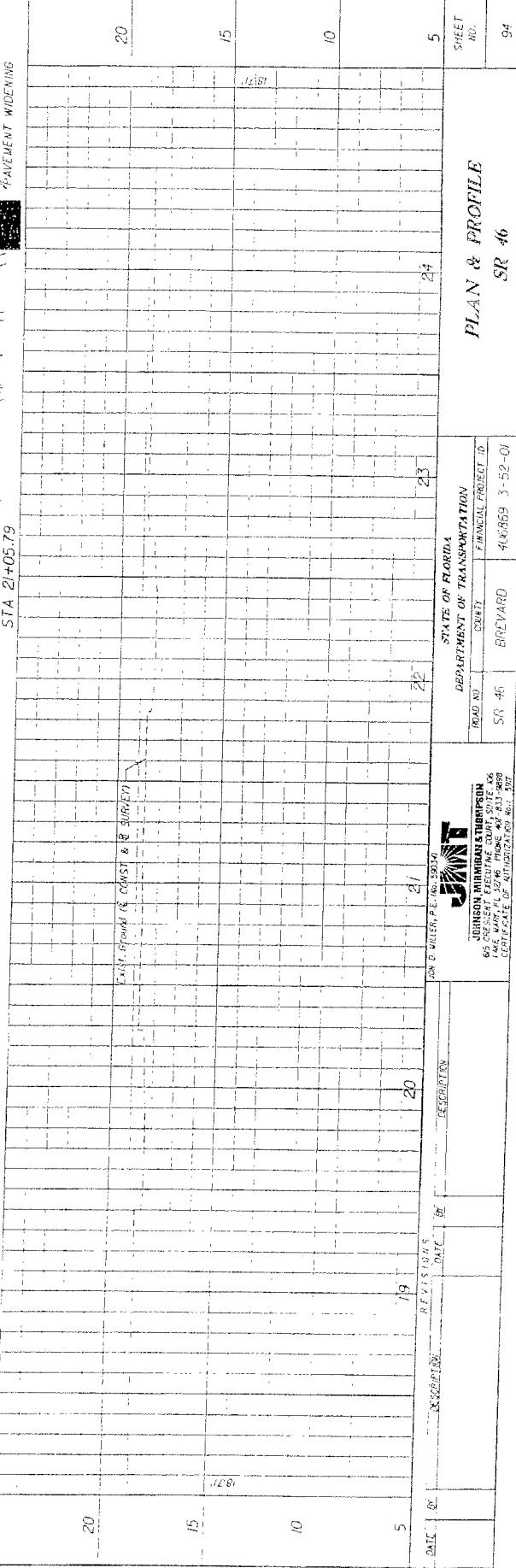
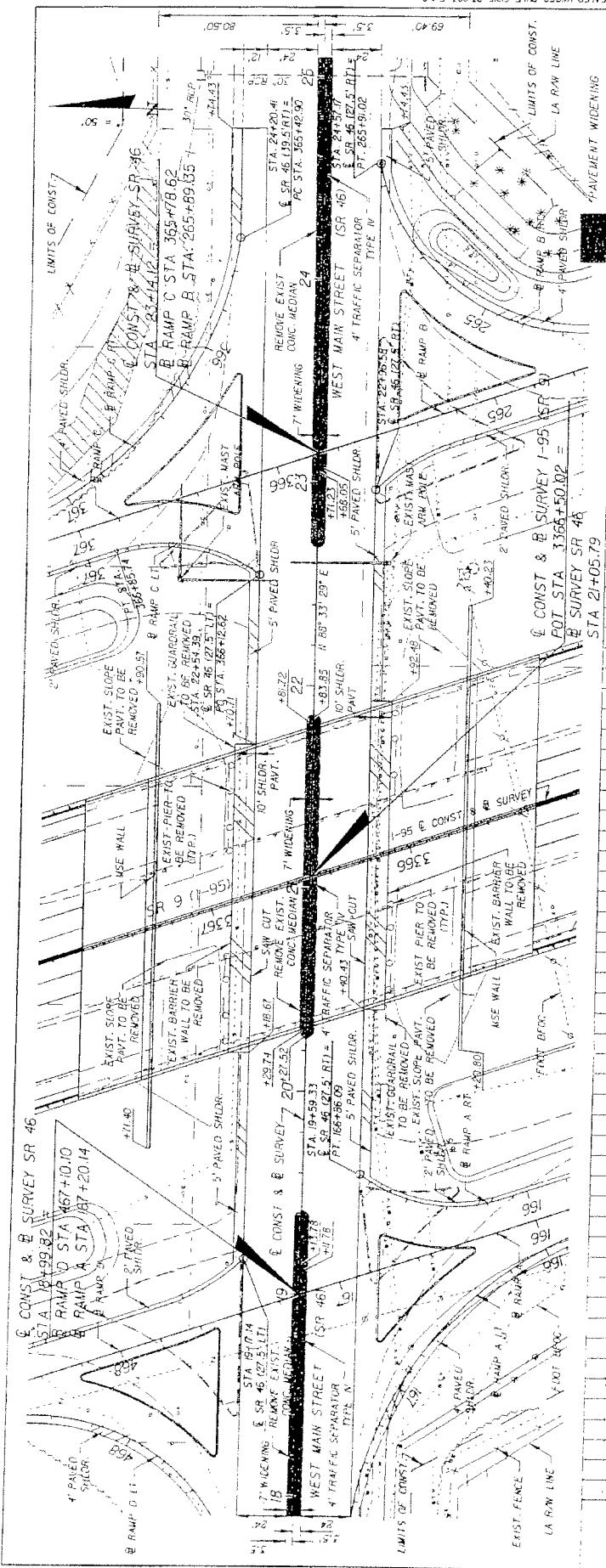


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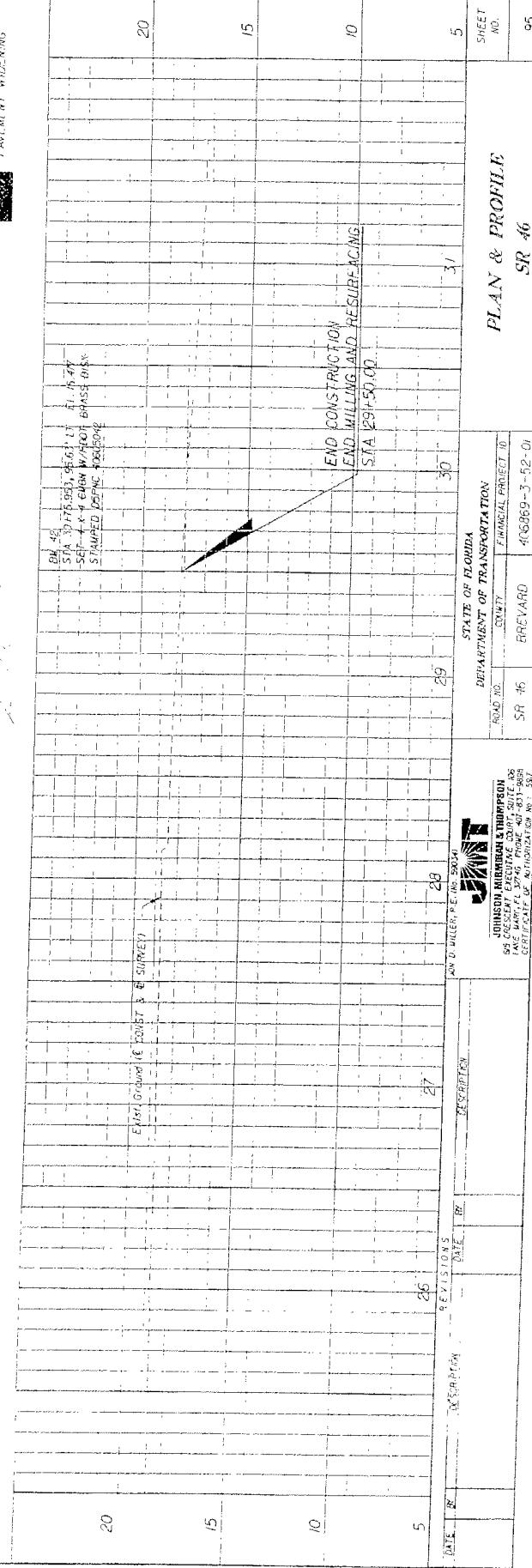
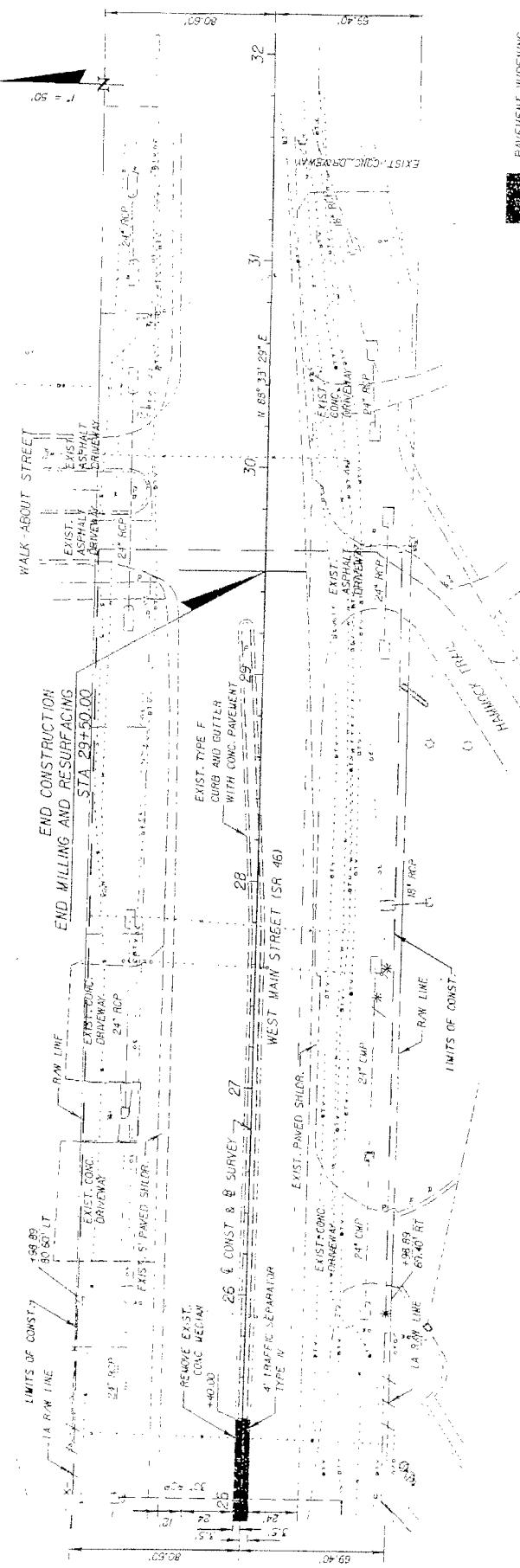


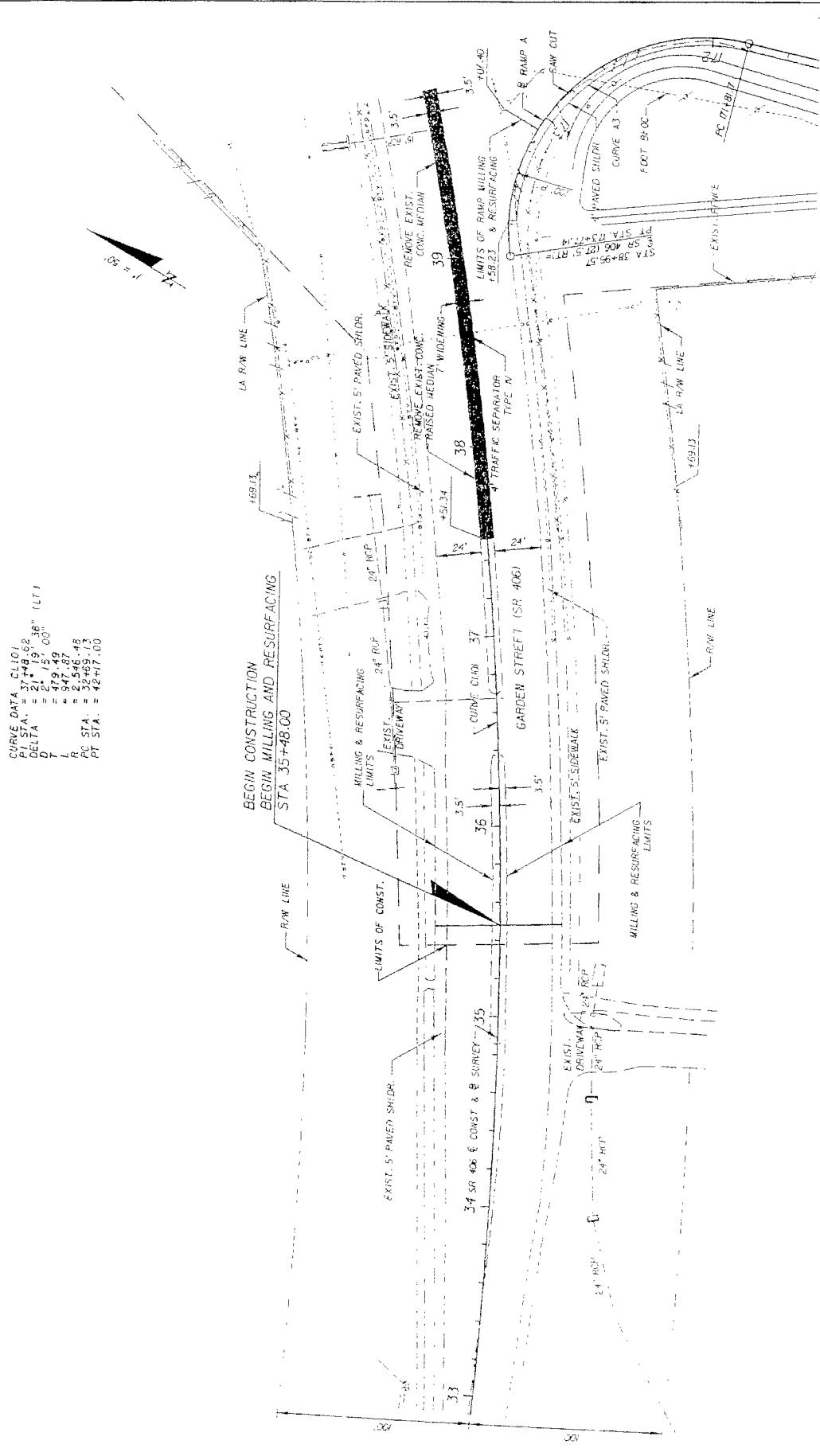
NOTICE: THE OFFICIAL RECORDS OF THIS SHEET IS THE ELECTRONIC FILE STORED AND MAILED UNDER RULE 6105-23(d)(3), F.R.C.I.





NOTICE: THE OFFICIAL RECORDS OF THIS SHEET IS THE ELECTRONIC FILE SINCE AND SEALD UNDER RULE 61C15-23.003, F.A.C.

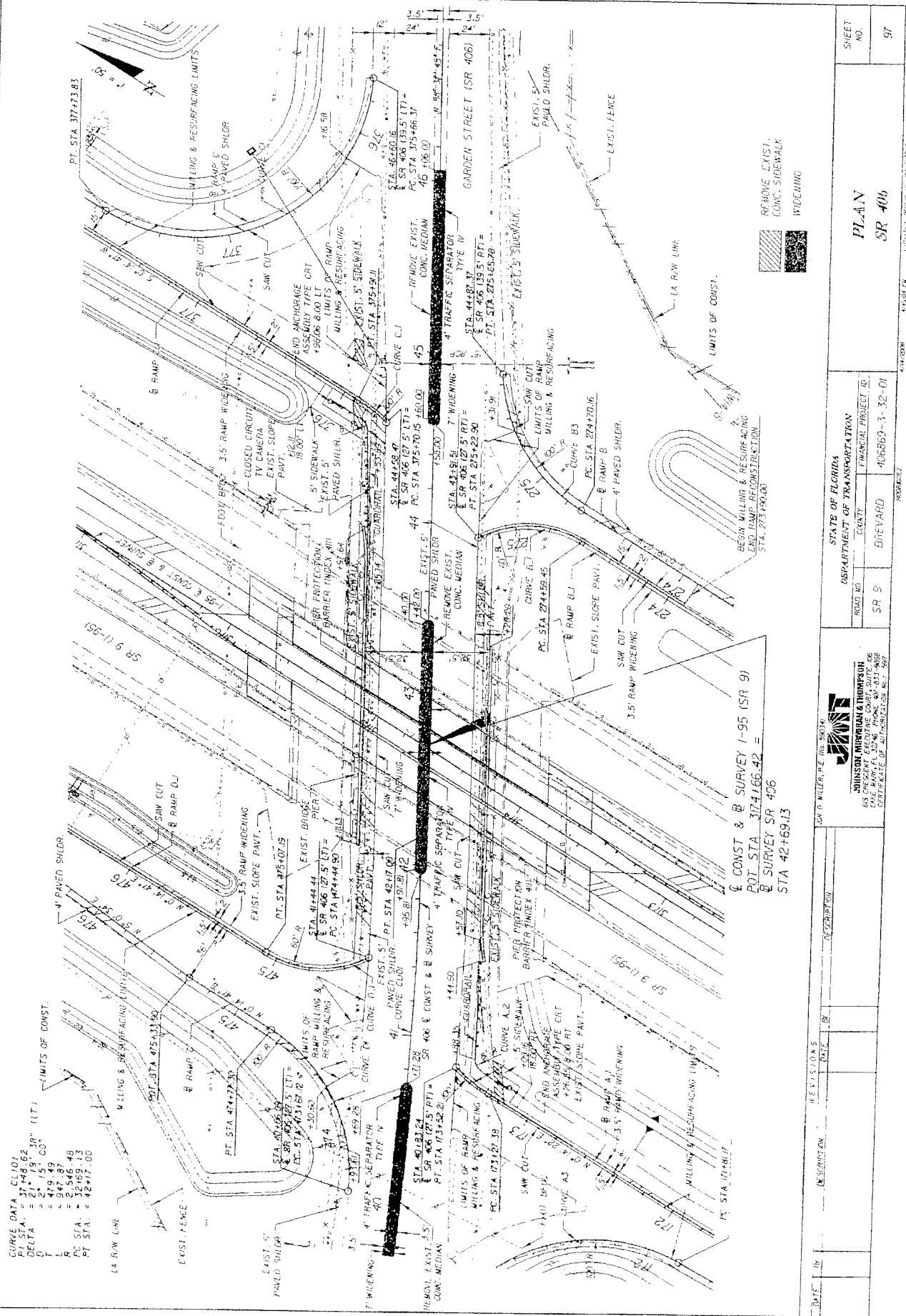




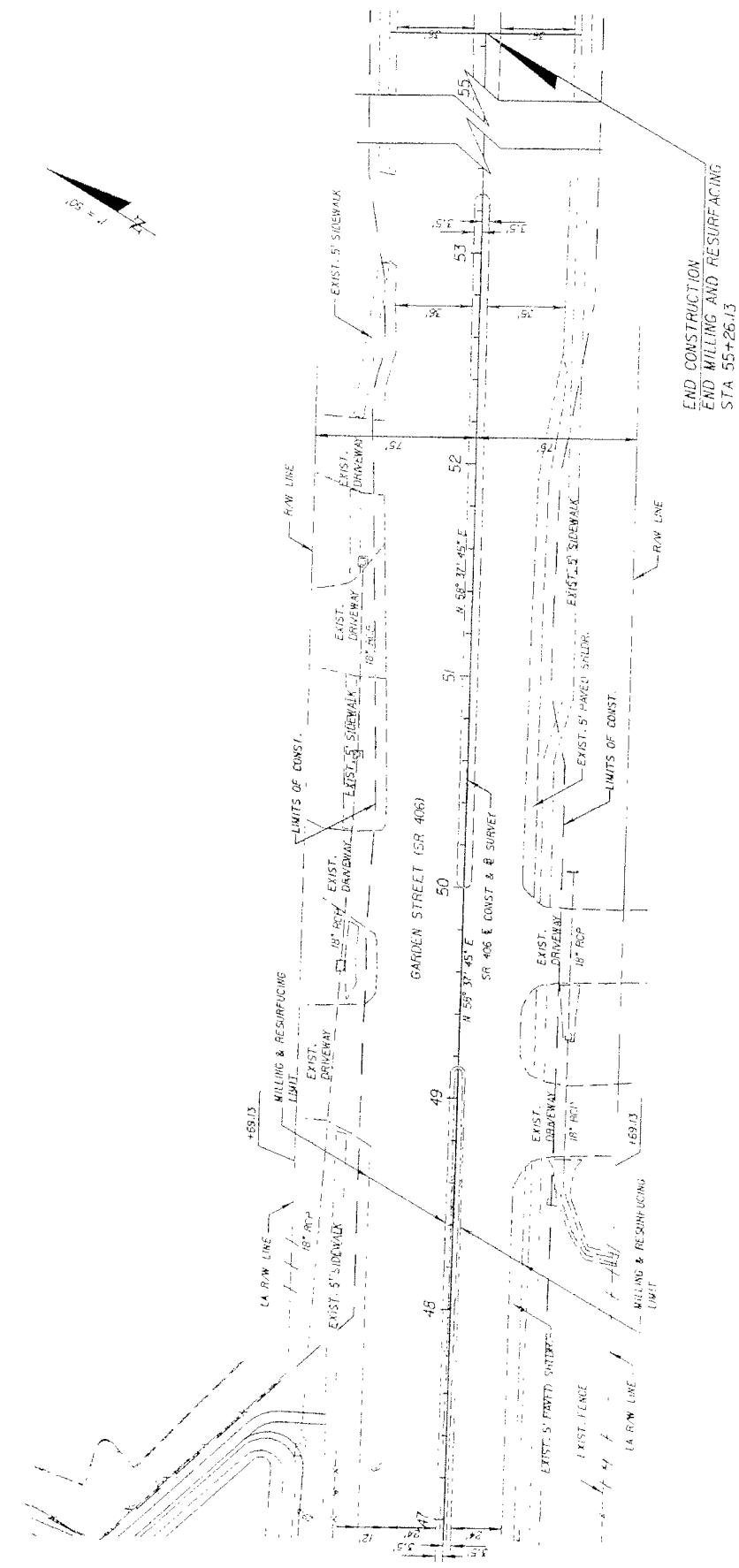
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			
ROAD NO.	QUANTITY	FINANCIAL PROJECT ID	
SR 9	BREVARD	46569-3-32-01	
JOHNSON, KIRKMAN & THOMPSON 65 PRESCOTT EXECUTIVE COURT, SUITE 106 LANE 1A, FT. MYERS, FL 33905 PHONE: 401-633-5999 CERTIFICATE OF AUTHORITY: CIV. NO. 5937			
BY D. BELLER, P. E. No. 59340 			
DATE ISSUED DESCRIPTION			
DATE EXPIRED APPROVED BY			

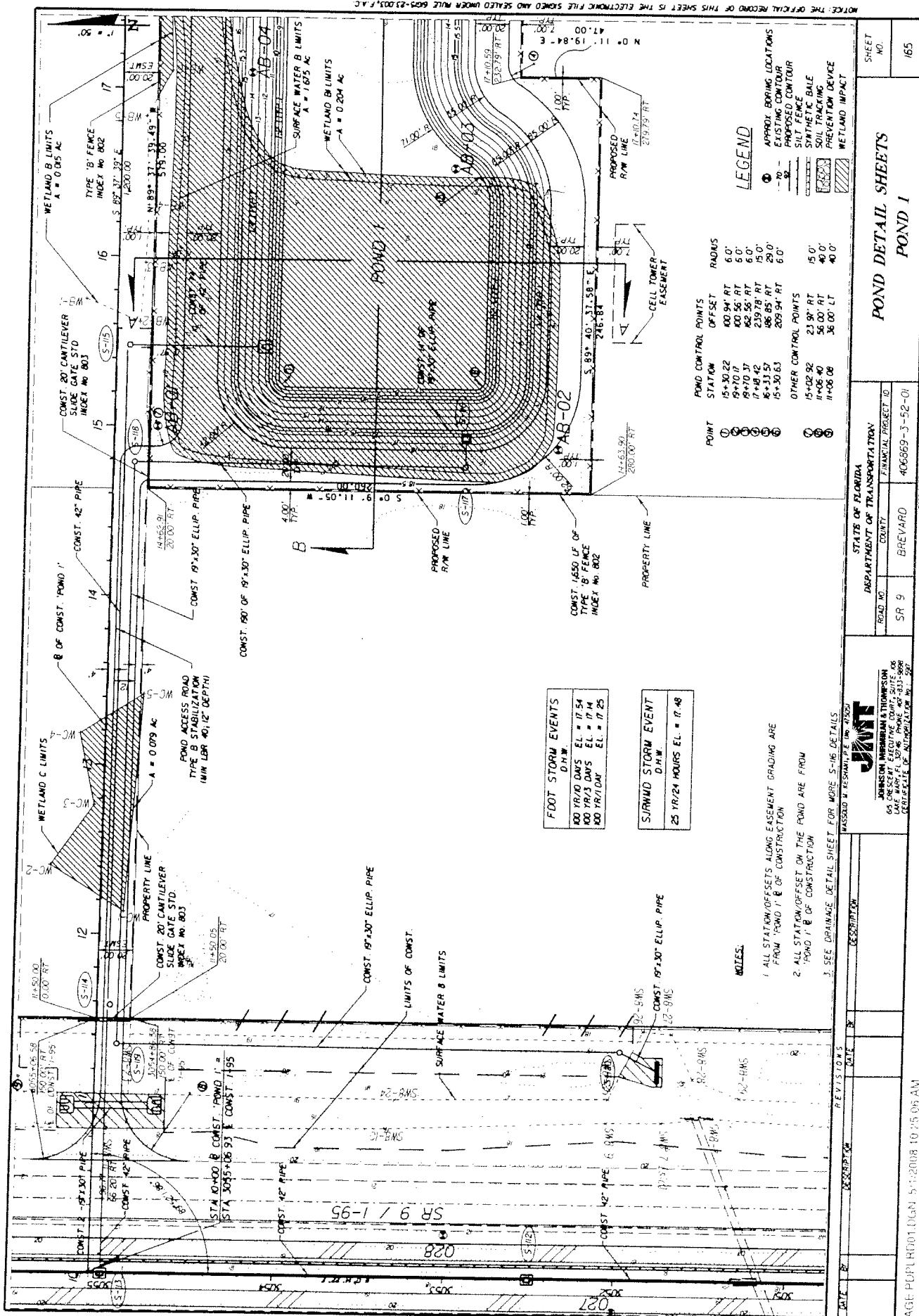
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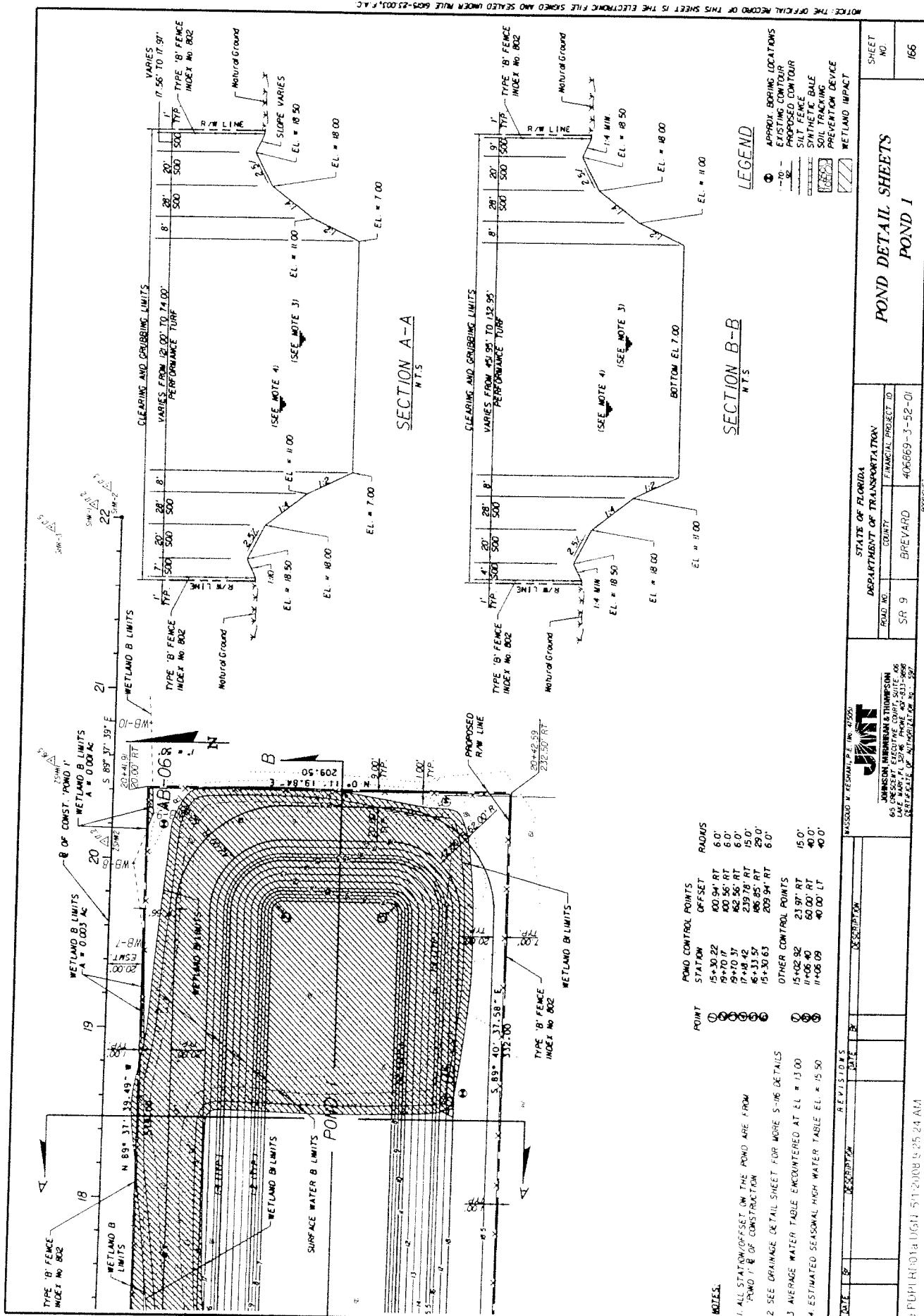
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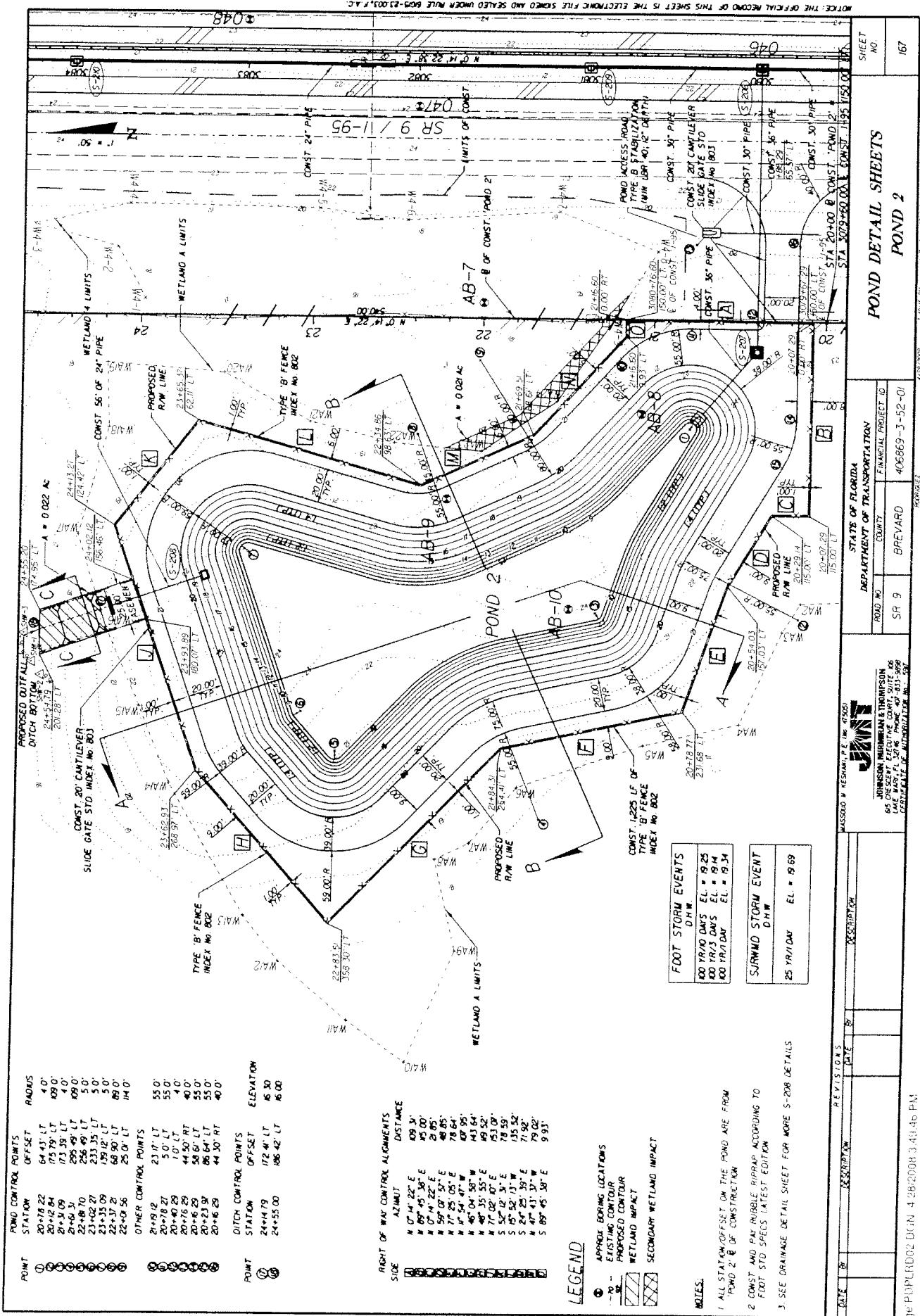
DATE		REVISIONS		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		PLAN		SHEET NO.	
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				SR 9	ÉGÉVARD	415859-3-32-CU	MEMO		
JAN									
JOHN MURKIN THOMPSON 55 RECENT EXECUTIVE COURT, SUITE 106 LAKEWOOD RANCH, FLA. 34238 TELEPHONE: 813-388-1234 FAX: 813-388-1237									
(W. D. MILLER, P.E., NO. 5431)									

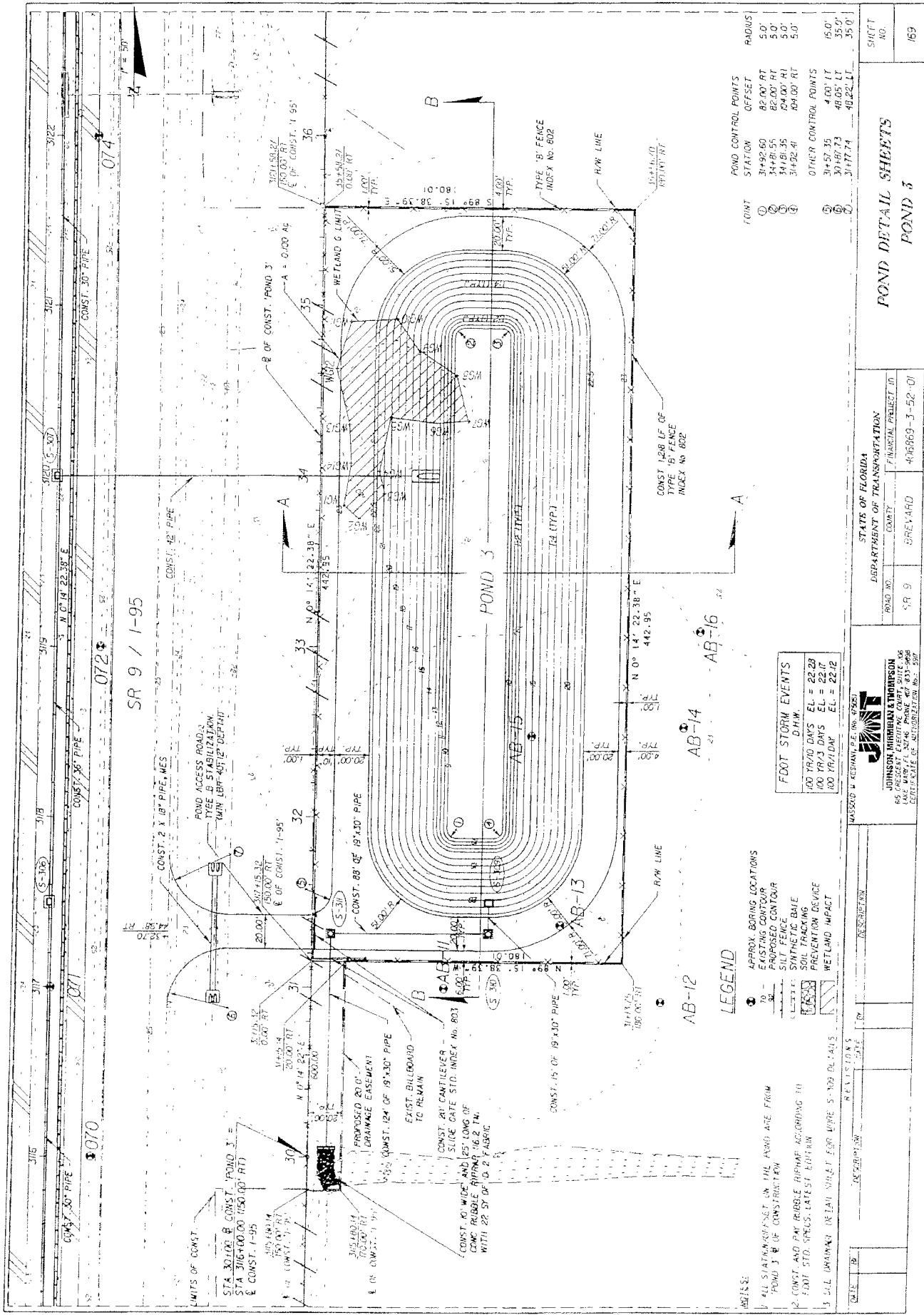


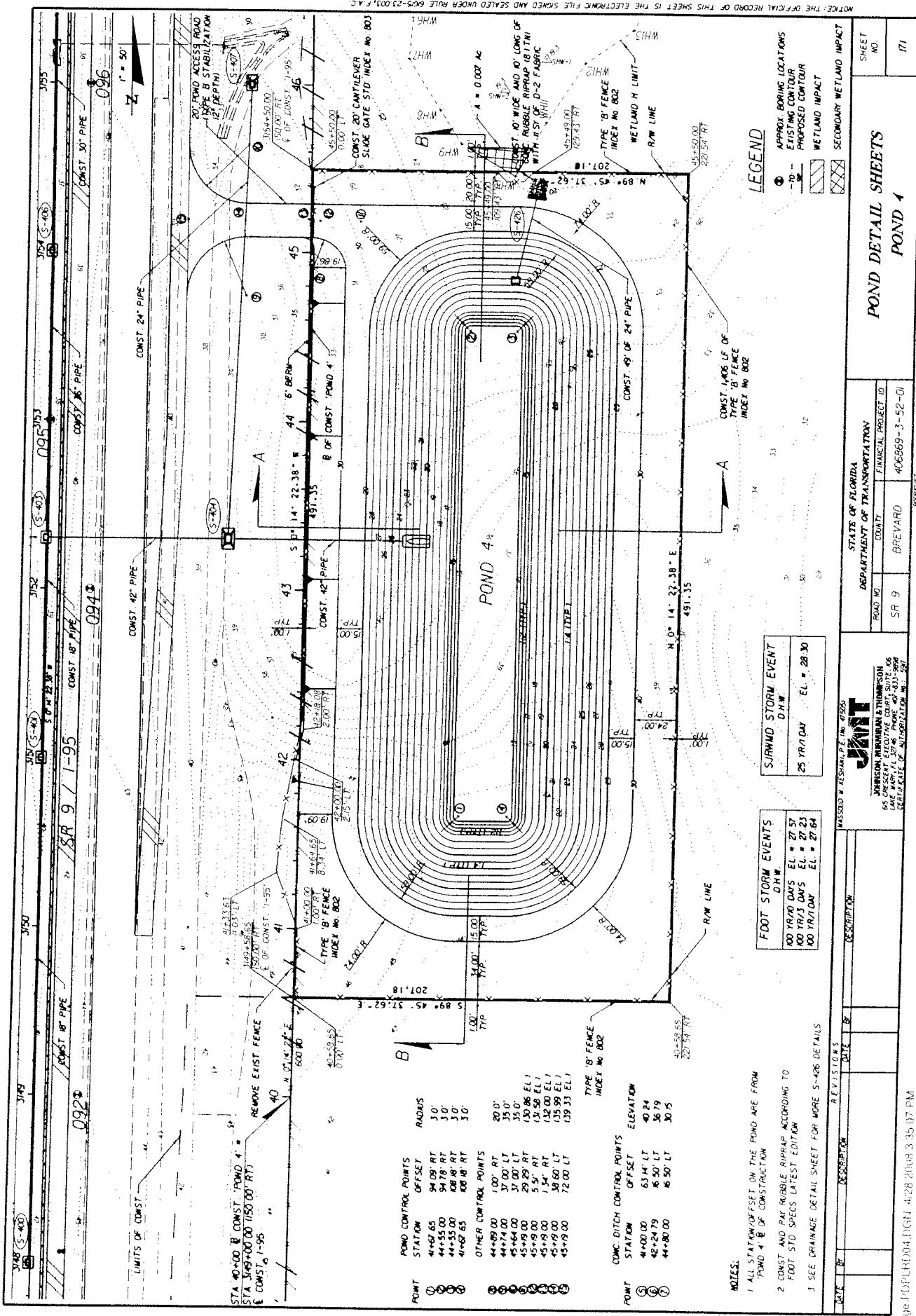
DRAINAGE PUPPY BIRD 5/1/2008 10:12:02 AM



Lémanage PDP1 R(01a) 361 5'1'2'0'6'6'35'34'44







NOTES:
1 ALL STATION OFFSETS ON THE FUND ARE FROM
FUND 4' @ OF CONSTRUCTION

- 2 CONST AND PAR RUBBLE RIPRAP ACCORDING TO
FOOT STD SPECS LATEST EDITION

3 SEE DRAINAGE DETAIL SHEET FOR MORE S-140

FOOT STORM EVENTS	
	DHW.
100 YARD DWS	EL. = 27.57
100 YR/3 DAYS	EL. = 27.23
100 YR/T DAY	EL. = 27.64

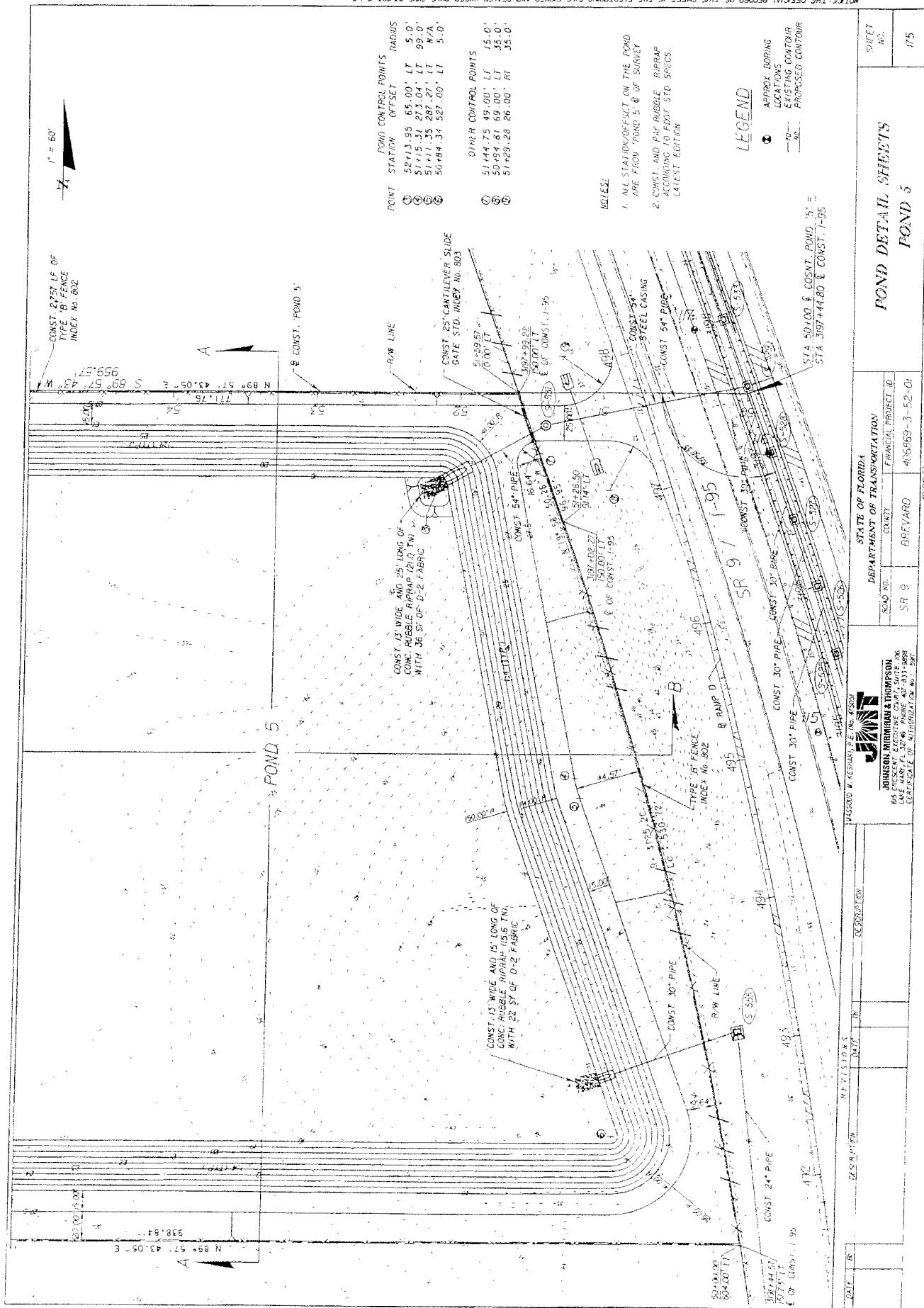
SURFACE STORM EVENT
D.H.W.
EL. = 28.30
25 YR DAY

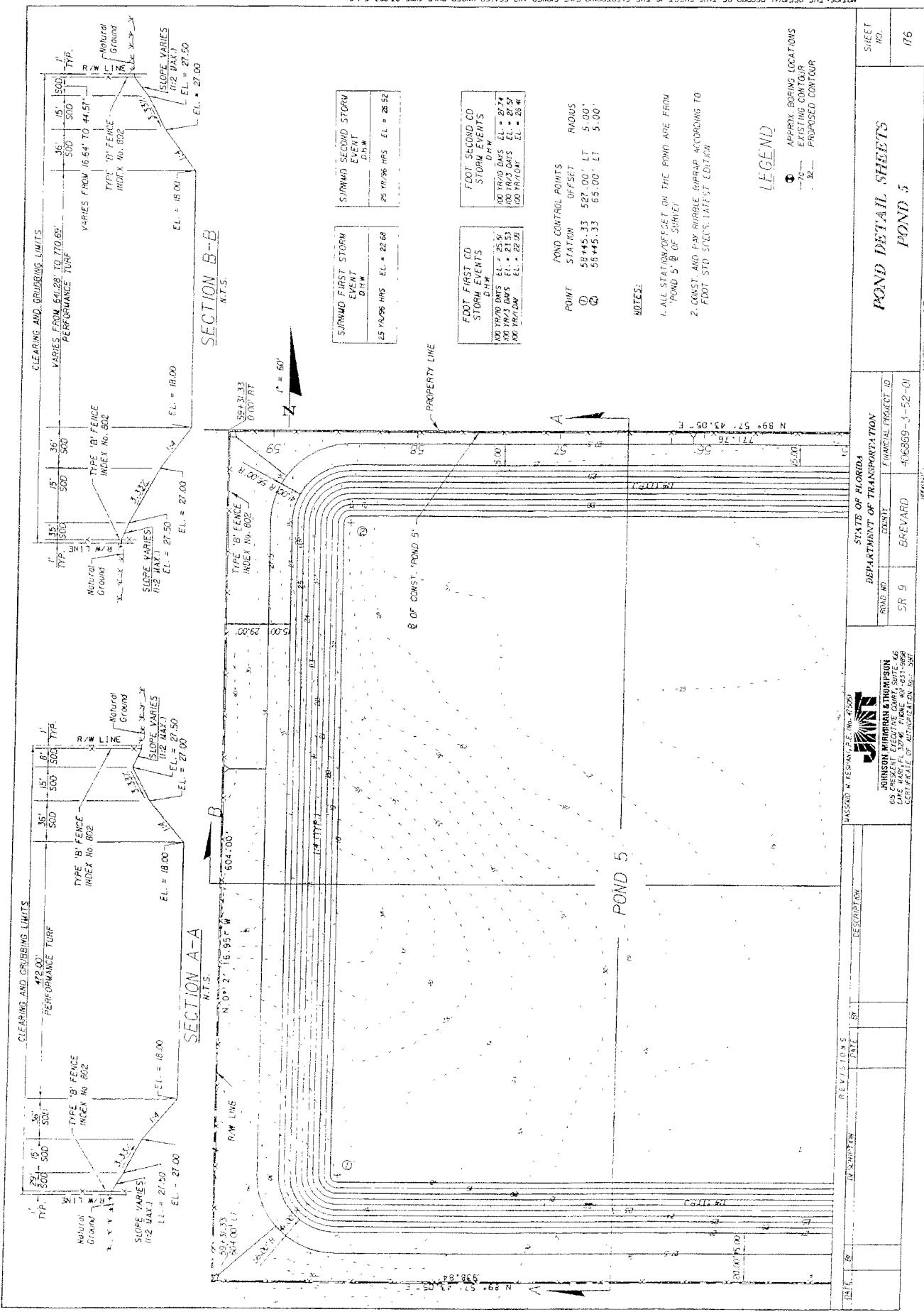
LEGEND

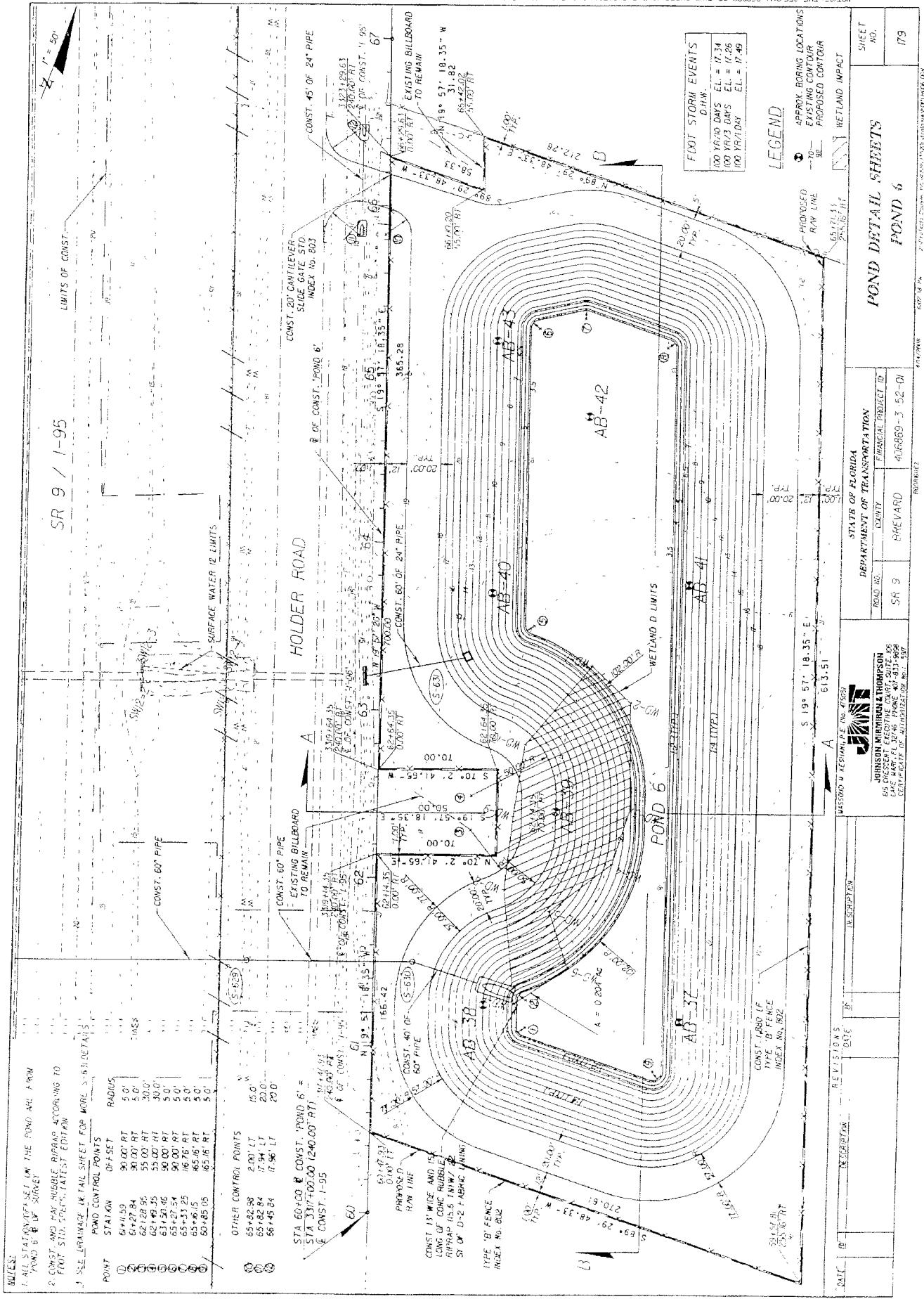
- NOTICE: THE OFFICIAL
 APPROX. BORING LOCATIONS
 EXISTING CONTOUR
 PROPOSED CONTOUR
 WETLAND IMPACT
 SECONDARY WETLAND IMPACT

Journal of Health Politics, Policy and Law

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE STORED AND SEALED UNDER RULE 6195-83.003, F.A.C.







LALAH STATION NOW SET ON THE LINE OF
ROUTE 7 & OF INTRICATE
2. COAST AND MOUNTAIN ROAD ACCORDING TO
FOOT STO. SITES LATEST EDITION.

WETTING FRONT POSITION

TIME

CONST. 12° P.E.

1. ALL STATIONS OF T IN THE PERIOD ARE SAME
2. CONST. AND PARALLEL RISER ACCORDING TO SLOPE
3. FEET STD. SITES, LAST EDITION

SLOPES

1

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POINT	POND CONTROL POINTS		RADUS
	STATION	OFF SET	
①	702+53.93	24'-80' LT	6.0'
②	702+90.47	24'-80' RT	6.0'
<i>Other Control Points</i>			
	702+15.62	57'-00' RT	20.0'
	702+41.75	56'-00' RT	10.0'
	702+73.04	RT 24'-80'	30.0'
	702+16.25	89'-42' RT	(7.67' EL.)
	702+34.88	89'-42' RT	(7.55' EL.)
	702+33.47	15'-06' RT	7.5'
	702+45.61	8'-00' LT	5.0'(CP 4' EL.)
	702+15.70	32'-76' LT	2.0'(CP 2' EL.)
	702+41.60	20'-00' LT	

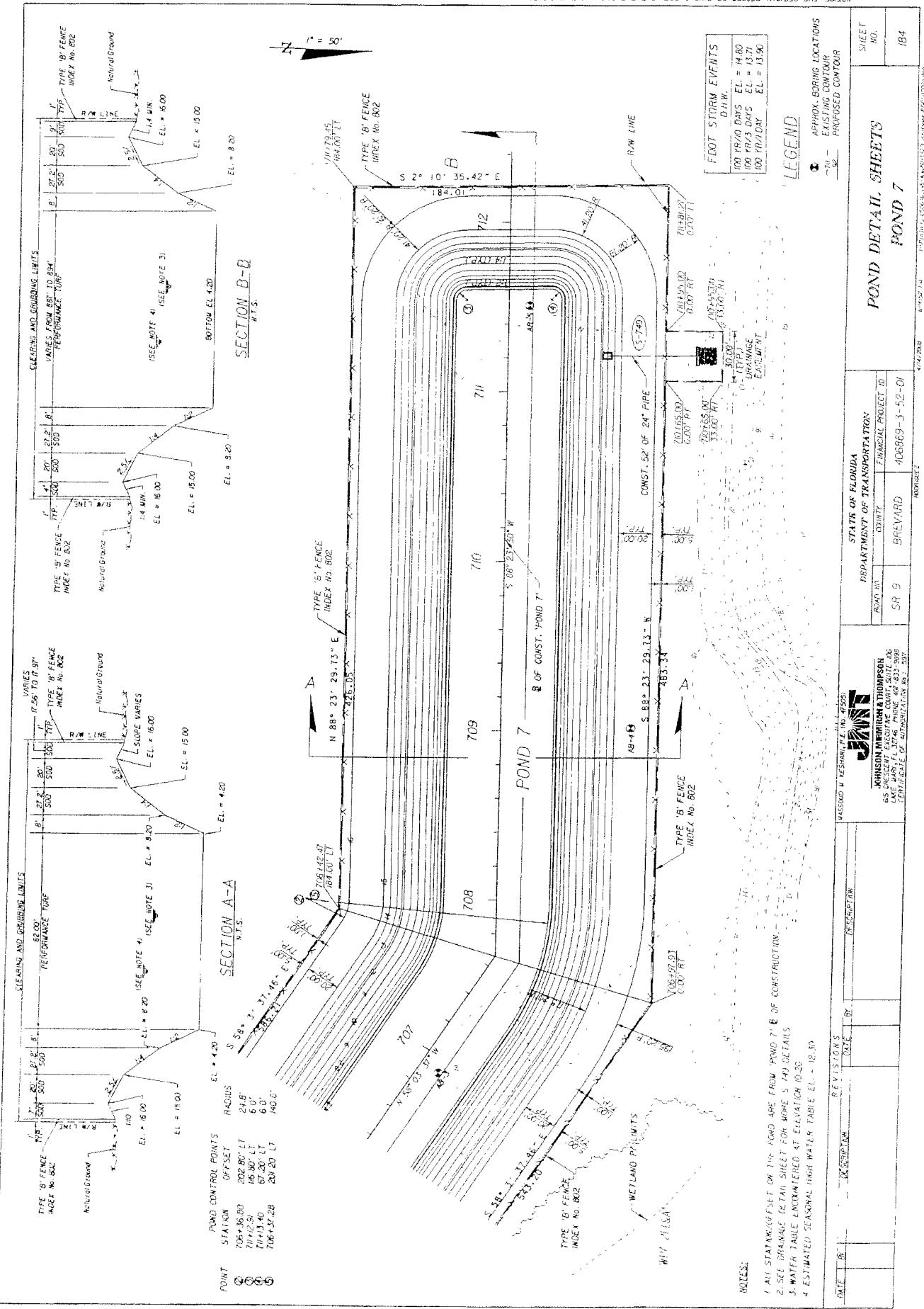
POINT	POWD CONTROL POINTS		RADIUS
	STATION	OFFSET	
①	702+53.93	24.60' LT	6.0'
②	702+50.49	24.80' RT	6.0'
0116TH CONTROL POINTS			
③	702+45.62	57.02' RT	20.0'
④	702+47.55	56.00' RT	10.0'
⑤	701+53.04	87.24' RT	30.0'
⑥	701+46.26	89.12' RT	(RT 87 ELJ)
⑦	701+51.88	89.47' RT	(RT 87 ELJ)
⑧	700+33.47	16.06' RT	7.5'
⑨	700+45.91	2.15' LT	5.0' (21.41 ELJ)
⑩	700+45.70	32.65' LT	2.0' (21.41 ELJ)
⑪	474+43.50	20.00' LT	20.0' (RT 85 ST, RT 85 D)

NOTICE: THE OFFICIAL RECORDS OF THIS SHEET IS THE ELECTRONIC FILE SHOWN AND SEALED UNDER RULE 6105-21.001, F.A.C.

STORM	DATE	ELEVATION
100 YR/10 DAY	10/15/2015	EL = 14.80
100 YR/3 DAY	10/15/2015	EL = 13.71
100 YR/1 DAY	10/15/2015	EL = 13.90

SHEET NO. 183

RECORDED ON THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 67RS-23.003, F.A.C.



ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
Post Office Box 1429
Palatka, Florida 32178-1429

A PERMIT AUTHORIZING:

Construction of a Surface Water Management System & its stormwater treatment devices, detention, and dry retention for the watersheds of 7.47 acres of 1.95 from fountains in the areas from 100' to 1000' feet from SR 51 to 1770' feet above sea level. E&G 1-03009-3-52-11-1-11150.

- 30 -

$$\begin{aligned} & \text{eigenvalues } \lambda_1, \lambda_2, \dots, \lambda_n \\ & \text{eigenvectors } v_1, v_2, \dots, v_n \\ & \text{matrix } A = \sum_{i=1}^n \lambda_i v_i v_i^T \end{aligned}$$

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ISSUES +

Year	Population	Rate	Rate per 1000
1901	10,000	10	100
1911	10,000	10	100
1921	10,000	10	100
1931	10,000	10	100
1941	10,000	10	100
1951	10,000	10	100
1961	10,000	10	100
1971	10,000	10	100
1981	10,000	10	100
1991	10,000	10	100
2001	10,000	10	100
2011	10,000	10	100

Particular agrees to the above and save that the above Patient Management Directive is sufficient to witness from any and all subsequent acts or activities which may affect the term of existence. Said application, together with the specific conditions attached thereto, is by reference made a part hereof.

the first time in the history of the world, the people of the United States have been called upon to decide whether they will submit to the law of force, or the law of the Constitution.

PERMIT IS CONDITIONED UPON:

Journal of Oral Rehabilitation 2009; 36: 106–113

AUTHORIZED BY: [REDACTED] APPROVED BY: [REDACTED]

Figure 10. The effect of the number of hidden neurons on the performance of the proposed model.

Ellie S.

U.S. Army Corps of Engineers
Permit # SAS-2008-2645
Date: 10/18/08
Attachment: 2

"EXHIBIT A"
CONDITIONS FOR ISSUANCE OF PERMIT NUMBER 4-009-117637-1
FLORIDA DEPARTMENT OF TRANSPORTATION
DATED DECEMBER 9, 2008

- 1. Activities shall be implemented as set forth in the plans, specifications and performance criteria as approved by this permit. Any deviation from the permitted activity and/or conditions for undertaking that activity, shall constitute a violation of this permit.
- 2. The permittee, or their contractor, will make available to the District staff, all documents and notifications that are required to be kept at the worksite if the permitted activity. The same are to be made available for review at the worksite upon request by District staff. The permittee shall require the contractor to have the complete permit prior to commencement of the activity authorized by this permit.
- 3. Activities authorized by this permit shall be conducted in a manner which complies with applicable state water quality standards.
- 4. Prior to and during construction, the permittee shall implement and maintain a site-specific erosion control measures, construction sediment control measures required to retain sediments and prevent intrusion of surface water into stations. All practices must be in accordance with the guidelines and specifications in chapter 6 of the Florida Land Development Manual: A Guide to Sound Land and Water Management (Florida Department of Environments Regulation 1883, LDR-1) are incorporated by reference unless specifically identified herein and specifically stated as modified by the permit. If any of these measures fail to provide protection against erosion or sediment intrusion into the stations, the permittee may implement alternative measures or corrective measures during or phase in additional measures in accordance to requirements of the permit, permitting, and implementation specifications. The station and sediment control plan is certified by the permittee and the chief of the agency or administrator as necessary, in accordance with the specifications in chapter 6 of the Florida Land Development Manual: A Guide to Sound Land and Water Management (Florida Department of Environments Regulation 1883). The permittee shall correct any erosion or shoaling that causes adverse impact to the water resources.
- 5. Station 2000 measures shall be maintained until end of permit activity, unless as set forth in paragraph 14 of this condition. Construction activities are terminated, certain activity, revised, put on hold, or ceases, within 7 days after the construction activity, or if the site has been restored, or permanent, ceased.
- 6. At least 48 hours prior to commencement of activity authorized by this permit, the permittee shall submit to the District a Construction Commencement Notice Form (Ft. 400-4 F-13) showing the actual start date and time of activity, etc. etc.
- 7. After the duration of construction, as specified in the permit, the permittee shall submit quarterly reports to the District on a quarterly basis, in accordance with Section 400-4 F-13-4-1000-1. These reports shall include the following information:
 - a. Potable water systems which will be operated or maintained by an entity which will require an easement and deed restriction in order to coincide initially with the authority necessary to operate the system. The system shall be subject to deed restriction to permit authority, other than the original grantee, to acquire, lease, hold, occupy, succeed to, or otherwise dispose of the system. Management of Storage of Surface Waters, or large stormwater management facilities, via a third party, meeting the requirements of these regulations, the Act, and the terms of the approved Deed restriction, easement, and other operation and maintenance documents which require recording, either with the Secretary of State or the Clerk of the Circuit Court must be so recorded and

(1) On completion of the project serving system, plans showing location and configuration of the system at the end of its first 100% use, systems of which are not used to be maintained, and all applicable permits for operation and maintenance of the system must be received by the District after maintenance and operation of the system is completed by the local governmental entity. Failure to submit the appropriate final documents referenced in this paragraph will result in the permittee remaining liable for carrying out and maintaining the operation of the permitted system.

- (2) Each phase of independent project or a permitted system must be completed in accordance with a permitted plan and permit conditions prior to initiation of the permitted use of the infrastructure located within the area served by the system or phase of the system. Each phase of independent project or the system must be completed in accordance with the permitted plans and permit conditions prior to transfer of responsibility for operation and maintenance of that phase or portion of the system to local governmental entities responsible entity.
- (3) Within 30 days after completion of construction of the permitted system, the permittee shall submit a written statement of completion and certification that no registered or less than one year old equipment or materials have been used in the construction of the system. Any deviation from the permit requirements of the permitted system affects substantially the permitted plans, any substantial deviations shall be noted and explained and two copies of as-built drawings submitted to the District. Submission of the completed final service to certify the District that the system is ready for inspection. The statement of completion and certification shall be based on those plans and specifications contained in the original application for construction, construction drawings, and any changes made during construction. Both the original and any revised set of plans must be clearly shown. The plans must be clearly labeled as "as-built" or "record" drawing. All surveys, dimensions and elevations shall be certified by a registered surveyor. True to scale information shall be verified on the as-built drawings.
- (4) Permits and other documents shall be submitted to the District before the issuance of the permit and shall remain in effect:
- A. Location, dimensions, and elevation of inlet, extraction, or outlet of the system to public sewerage pipes, connections to control structures, and points of discharge to the receiving waters
- B. Dimensions, elevations, and grade of cross-sections of the system to be installed
- C. Dimensions, elevations, and grade of cross-sections of the system to be installed in areas where there is a hazard to public safety
- D. Elevation, dimensions, contours, and grades of cross-sections of the system to determine flow directions and conveyance of runoff to the treatment system
- E. Dimensions, elevations, contours, and grades of cross-sections of a drainage system to be installed in areas where there is a hazard to public safety
- F. Elevation, dimensions, and grade of cross-sections of the system to be installed in areas where there is a hazard to public safety

- 11. The operation phase of this permit shall commence effective on the date the District has determined the requirements of general condition 1 above have been met and the District deems the system to be in compliance with the permit requirements and the City's applicable laws. The District may circumstance in subsections 7.1.1 through 7.1.4 of the Applicant's handbook, Management and Storage of Surface Waters, affects responsibility for operation and maintenance of the system. The permittee's permit rights transferred to such an entity or individual shall be taken into account in the operation phase of the permit period of 400-1. For the operation and maintenance of the permitted system, the District shall determine the responsibilities of the permittee for the responsible activities of operation and maintenance of the system from the permittee's day the permit is granted pursuant to section 7.1.1 of the Applicant's handbook, Management and Storage of Surface Waters, the permittee shall be subject to compliance with the terms of the permit.
- 12. Section 7.1.2, Management, operation, repair, maintenance of the permitted system, the term "operator" is defined as follows: "The owner of the system or its manager, trustee, or agent, or the person in whose name the system is registered." This definition is included.
- 13. The permittee shall have the necessary to comply with required federal, state, local and/or district authorizations prior to the start of any activity approved by this permit. The permittee does not convey to the permittee or create in the permittee any ownership interest in, right to real property, or creates a liability for any amounts or contractual obligations that are not related to the use of the system. The permittee is liable for only those specified in the permit and chapter 400-1, subsection 400-1.1.2.
- 14. The permittee shall provide the District with a copy and a copy of any documents which may arise by reason of the use of the system authorized by the permit, 1.3.1 of the permitted system.
- 15. Notice need not be given if the extent of a permittee's other surface water usage is known to the District prior to the date of the permit application and the information is not later determined to be false or unless a specific provision of this permit limits the permittee's usage. 400-1.1.3, Part C, and part D thereof.
- 16. The permittee shall notify the District in writing within 30 days of any sale, conveyance, or other transfer of ownership or control of the permitted system or the real property upon which the permitted system is located. A transfer of ownership or transfer of control shall meet the requirements of 400-1.1.1, Part C. The permittee may retain a copy of their sale or transfer agreement for only one year after which they may be required to submit it to the District. 400-1.1.3, Part C, and part D thereof.
- 17. Upon reasonable notice to the permittee, District authorized staff with proper identification shall have permission to enter, inspect, sample and test the system to ensure compliance with the system specifications established by the permit.
- 18. All data collected via sampling are to be provided and kept on file by the permittee shall be made available to the District.
- 19. The permittee shall immediately notify the District of any previously issued permit condition that is later discovered to be inaccurate.
- 20. The permittee shall construct a concrete floor during the permit's issuance.
- 21. Any portion of a permittee's land application, 400-1.1.3, Part C, that is not completed by the end of the permitted period, 400-1.1.3, Part C, shall be subject to removal of all accumulated sediment and debris from the storage area prior to final grading and

Start page

1. An up-to-date, detailed site plan shall be submitted to the District for review, including the location of the proposed work, the location of existing structures, and the location of any existing or proposed water management system.
2. Prior to construction, the permittee must clearly delineate the limits of construction, and the permittee shall advise the Commissioner of Army Corps of Engineers of the proposed construction area, including may be a portion of a stream.
3. The surface water management system shall be constructed according to both the plans and calculations received by the District on July 2, 2008 and amended by plans and calculations received by the District on September 26, 2008.
4. The design and maintenance plan shall describe the site characteristics, including drainage basin area, topography, soil type, and elevation of streambed and adjacent embankments determined by the permittee. It shall also describe and detail the location and sequence of each element in the system. Each element shall include the date of the excavation, the grade elevations and dimensions, the respective 100-year life expectancy of the design and permittee shall have such plans available for inspection, and, if necessary, the District during normal business hours.
5. The system is subject to inspection and enforcement by the Army Corps of Engineers, the State of Florida Department of Environmental Protection, the State of Florida Department of Natural Resources, and the City of Coral Gables.
6. Prior to the start of construction, the permittee shall provide a detailed construction plan to the District for review and approval. The plan shall detail all erosion and sediment control measures to be implemented both during and after construction. A sample of the plan shall include:
- a. Identification of any areas where soil or stone may be disturbed and removed;
 - b. Construction schedule and set forth erosion and sediment control measures to be implemented during construction;
 - c. Construction sequencing and details of the erosion and sediment control measures to be implemented during each sequence.
- Construction and commencement of work shall be referred to the permittee as "start of work".
7. The permittee shall submit the detailed construction plan to the District at least 10 days prior to the start of work. The plan shall also be provided to the City of Coral Gables.
8. The permittee shall submit the detailed construction plan to the District at least 10 days prior to the start of work. The plan shall also be provided to the City of Coral Gables.

AS-BUILT CERTIFICATION BY PROFESSIONAL ENGINEER

Submit this form and one set of as-built engineered drawings to the U.S. Army Corps of Engineers, Enforcement Branch, Post Office Box 4970, Jacksonville, Florida 32232-0019. If you have questions regarding this requirement, please contact the Enforcement Branch at 904-232-2907.

1. Department of the Army Permit Number: _____

2. Permittee Information:

Name _____

Address _____

3. Project Site Identification:

Physical location/address _____

4. As-Built Certification:

I hereby certify that the authorized work has been accomplished in accordance with the Department of the Army permit with any deviations noted below. This determination is based upon on-site observation, scheduled and conducted by me or by a project representative under my direct supervision. I have enclosed one set of as-built engineering drawings.

Signature of Engineer

Name (Please type)

Florida Reg. Number

Company Name

Address

(Affix Seal)

City State ZIP

Date

Telephone Number

Deviations from the approved plans and specifications: (attach additional pages if necessary)

U.S. Army Corps of Engineers
Permit # SAT-2008-2645
Date: 11/14/08
Attachment: 3



STANDARD PROTECTION MEASURES FOR THE EASTERN INDIGO SNAKE

1. An eastern indigo snake protection/education plan shall be developed by the applicant or requestor for all construction personnel to follow. The plan shall be provided to the Service for review and approval at least 30 days prior to any clearing activities. The educational materials for the plan may consist of a combination of posters, videos, pamphlets, and lectures (*e.g.*, an observer trained to identify eastern indigo snakes could use the protection/education plan to instruct construction personnel before any clearing activities occur). Informational signs should be posted throughout the construction site and along any proposed access road to contain the following information:
 - a. a description of the eastern indigo snake, its habits, and protection under Federal Law;
 - b. instructions not to injure, harm, harass or kill this species;
 - c. directions to cease clearing activities and allow the eastern indigo snake sufficient time to move away from the site on its own before resuming clearing; and,
 - d. telephone numbers of pertinent agencies to be contacted if a dead eastern indigo snake is encountered. The dead specimen should be thoroughly soaked in water and then frozen.
2. If not currently authorized through an Incidental Take Statement in association with a Biological Opinion, only individuals who have been either authorized by a section 10(a)(1)(A) permit issued by the Service, or by the State of Florida through the Florida Fish Wildlife Conservation Commission (FWC) for such activities, are permitted to come in contact with an eastern indigo snake.
3. An eastern indigo snake monitoring report must be submitted to the appropriate Florida Field Office within 60 days of the conclusion of clearing phases. The report should be submitted whether or not eastern indigo snakes are observed. The report should contain the following information:
 - a. any sightings of eastern indigo snakes and
 - b. other obligations required by the Florida Fish and Wildlife Conservation Commission, as stipulated in the permit.

Revised February 12, 2004

U.S. Army Corps of Engineers

Permit # 541-2008-0645

Date: 11/10/08

Attachment: 1

